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flexibility and value



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Proven process, powerful performance

With over 100 years of manufacturing expertise, Eaton is one of the largest manufacturers of fluid conveyance products in the world. Our unparalleled leadership in the manufacturing of innovative products for markets around the globe has made us one of the world's most preferred suppliers of industrial hoses.

Every industrial hose application has its own distinctive needs, whether it's high or low pressure, fast or slow transfer rates, or materials ranging from air and water to hazardous chemicals. Eaton has an extensive portfolio of industrial hoses to suit a wide array of markets and applications with unique requirements, including chemical, cleaning, steam, and food service, material handling, and many more. And we use a variety of compounds and reinforcements in our proven process to achieve maximum quality and durability while also ensuring utmost flexibility and ease of use.

When safety and performance matter, the industrial hose you choose matters. That's why more engineers are choosing Eaton.

Delivering major market value

Eaton industrial hose markets



Construction Industry



Chemical Plants



Mining



Oil & Gas Exploration



Steel Mill



Food and Beverage Industry



Tank Truck



Petrochemical

Eaton industrial hose applications

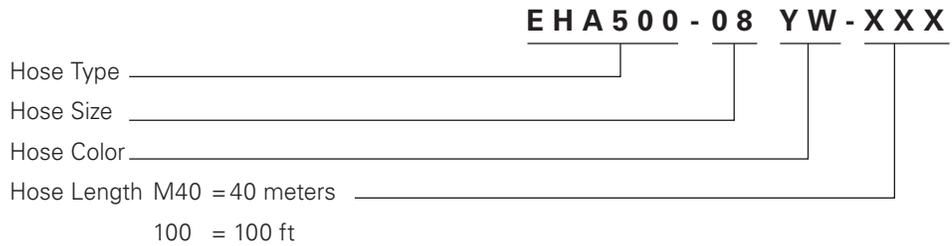
- Air transfer
- Beverage dispensing
- Chemical transfer
- Food transfer
- Hot air blower
- Washdown applications
- LPG transfer
- Nitrogen transfer
- Dry material & bulk transfer
- Mud suction & discharge
- Frac application
- Oil transfer
- Gasoline dispensing
- Steam transfer
- Hydrocarbon drain
- Water suction & discharge

Eaton Industrial Hose

Part number nomenclature

A hose part number is composed of several different elements, all combined to make the final number. The following is a diagram of an example hose part number and the elements that go into creating that number.

New Eaton Part Numbers



Hose Type

The hose number is simply the type of hose you wish to order. Hose numbers are found at the top of each page within the hose section of the catalog.

Hose Size

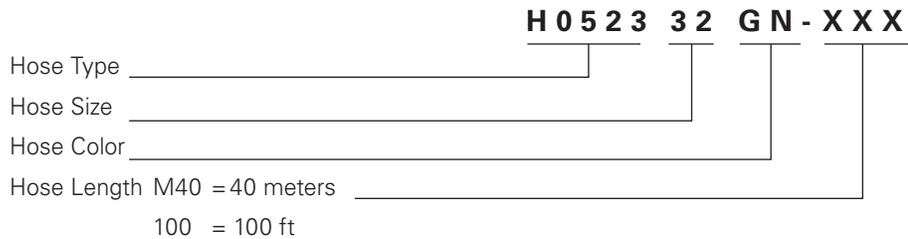
These are two digits after the base hose number. The hose size code follows industry standards.

Metric equivalents are found with the hose specification charts on each hose page within the hose section of the catalog.

Hose Length

The hose length is indicated in feet. Metric equivalents are found in the length section of the hose specification charts.

Old Eaton Part Numbers



Eaton Industrial Hose Products

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New Hose Selection

Worksheet

Eaton recommends using the **STAMPED** process to aid in determining the correct hose and coupling for your application. This worksheet is designed to help you organize information for determining

the best hose for a given application. The questions are based on the hose selection factors described in this catalog.

When selecting a hose, always use this worksheet

in conjunction with this catalog. Read all instructions concerning the hose you are selecting. If any questions arise please contact your usual Eaton Technical Support or Customer Support teams.

S - Size

(I.D., O.D. and length)

T - Temperature of material conveyed and environmental

A - Application, the conditions of use

M - Material being conveyed, type and concentration

P - Pressure to which the assembly will be exposed

E - Ends; style, type, orientation, attachment methods, etc.

D - Delivery testing, quality, packaging, and delivery requirements

1. Size

Flow (cubic feet per minute) requirements? _____

See RMA Water Discharge table.

Hose I.D. requirements given the flow requirements? _____

Pressure drop? _____

Length requirements (excluding hose ends)? _____

2. Temperature

Temperature range of material to be transferred?

Min. _____ Max. _____ Average _____

Year-round external environment temperature range? _____

Cleaning temperature? _____

3. Application

If the application is new, what service is to be performed? _____

4. Material: Compatibility & Environment

Internal and external environment consideration. Internal environment relates to the material being conveyed. External environment relates to anything originating from outside the hose.

Check all that apply.

Abrasive materials (conveyants and external)

Petroleum products (aromatics, aliphatics, etc.)

Materials that could cut or gouge hose

Solvents

Ozone

Acids/caustics

Animal fats (oils)

Sparking or flames

Cleaning with steam

Material to be transferred? _____

Material concentration (%)? _____

What hose cleaning solution(s) will be used? _____

If any questions arise please contact your usual Eaton Technical Support or Customer Support teams.

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requirements

5. Pressure & Suction

What working pressure is required? _____

Are pressure surges involved in this application? How high? _____

What safety factor is required? _____

Is this a suction application? What vacuum rating is required? _____

6. Ends

End _____

Material _____

Attachment Method _____

7. Delivery

Qty. required _____ Date required _____ Pkg. requirements _____

Testing Required - No Yes If Yes, Type: _____

Certification Required - No Yes If Yes, Type: _____

Special Requirements/Other Information

Will the selected hose need to possess any of the following features:

Branding information needed on the hose? _____

Color coding? _____

Any special designations required by agencies or associations? _____

Will any regulatory agency approvals be required? If yes, which one(s)? _____

Non-conductive rubber needed to prevent transmittal of electricity? _____

Static wire or static-dissipating tube to prevent static electricity buildup and discharge sparks? _____

Pin-pricked cover to resist blistering when transferring hot materials or air/gases under pressure? _____

Abrasion sleeve or guard? _____

Heat shield? _____

Sub-zero exposure resistance? _____

Special assembly requirements? _____

Continuous transfer service or intermittent service? _____

Flexibility: Do space restrictions exist where the hose will be used? _____

Bend Radius: of the hose relative to space in which hose will be used? _____

Considering the intended use of the hose, how flexible will it need to be (check one)?

Extremely flexible Slightly flexible Not an issue

Weight: How will the hose be handled during use, if all? _____

How important is the weight of the hose going to be in this application (check one)?

Very important Slightly important Not an issue

Be sure to reference chemical compatibility recommendations in the Chemical Resistance Charts starting on page M-2 through M-12.

If any questions arise please contact your usual Eaton Technical Support or Customer Support teams.

Application Data

Important Safety Information

Read this page before using any of the products/information in this catalog.

This catalog is designed to be used as a guide in selecting the proper hose for the applications listed herein. It contains many cautions, warnings, guidelines, and directions for the safe and proper use of Eaton Industrial hose. All these directions and footnotes should be read and understood before specifying or using any of these hoses.

Throughout this catalog, potentially harmful situations are highlighted with the following symbols.

 This symbol is used to indicate imminently hazardous situations which, if not avoided, will result in serious injury or death.

 This symbol is used to indicate potentially hazardous situations which, if not avoided, could result in serious injury or death.

 This symbol is used to indicate potentially hazardous situations which, if not avoided, may result in property or equipment damage.

Some of the most common problems in the chemical hose industry result from improper hose and coupling selection, improper assembly techniques, failure to correctly inspect and test hose assemblies, and improper cleaning practices and hose assembly storage techniques.

In turn, these situations can lead to material leakage, spraying, spattering, end blow-offs, explosions, and other situations that may result in serious personal injury and property damage.

Personal injuries caused by improper hose assembly specification, installation, and usage could include cuts and abrasions, serious burns, irreparable eye damage, or even death. Therefore, for your safety and the safety of others working around you, Eaton strongly urges you to read and comply with all safety information printed in this publication.

 **WARNING:** Failure to properly follow the manufacturer's recommended procedures for the care, maintenance and storage of a particular hose may result in its failure to perform in the manner intended and may result in serious injury, death, and damage to property.

 **WARNING:** Testing can be dangerous and should be done only by trained personnel using proper tools and procedures. Failure to follow such procedures might result in serious injury, death, or damage to property.

Consult the coupling manufacturer to make sure you choose the correct coupling and proper assembly for the application, or contact Eaton Technical Support.

Before using any hose in this catalog, consult the safety section in this catalog and the guidelines on the Eaton web site for the most current information or for global support contact your local Eaton technical representative.

Selection of Hose

Selection of the proper Eaton Industrial hose for an application is essential to the proper operation and safe use of the hose and related equipment. Inappropriate hose selection may result in hose leakage, bursting, or other failure which may cause serious bodily injury

or property damage from spraying fluids or flying projectiles. To avoid serious bodily injury or property damage resulting from selection of the wrong hose, you should carefully review the information in this catalog. Some of the factors to consider in proper hose selection are known as **STAMPED:**

- S - Size** (I.D., O.D. and length)
- T - Temperature** of material conveyed and environmental
- A - Application**, the conditions of use
- M - Material** being conveyed, type and concentration
- P - Pressure** to which the assembly will be exposed
- E - Ends;** style, type, orientation, attachment methods, etc.
- D - Delivery** testing, quality, packaging, and delivery requirements

These factors and the supplemental information contained in this catalog should be considered in selecting the proper hose for your application. If you have any questions regarding the proper hose for your application, please contact Eaton for global support contact your local Eaton technical representative.

Proper Selection of Hose Ends

Selection of the proper Eaton Industrial hose end or coupling is essential to the proper operation and safe use of hose assemblies and related equipment. Inadequate attention to the selection of the end fittings may result in hose leakage, bursting, or other failure which may cause serious bodily injury or property damage from spraying fluids or flying projectiles. In order to avoid serious bodily injury or property damage resulting from selection of an incompatible hose end or coupling, you should carefully review the information in this catalog. Some of the factors which are involved in the selection of the proper hose couplings are:

- fluid compatibility
- temperature
- installation design
- hose size
- corrosion requirements
- fluid conveyed

The given hose and hose end selection factors and the other information contained in this catalog should be considered by you in selecting the proper hose end fitting for your application.

If you have any questions regarding the use of hose/ hose ends, for global support contact your local Eaton technical representative.

Hose Installation

Proper installation is essential to the proper operation and safe use of the hose assembly and related equipment.

Improper hose assembly installation may result in serious injury or property damage caused by spraying fluids or flying projectiles. In order to avoid serious bodily injury or property damage resulting from improper hose assembly installation carefully review the information in this catalog. Some of the factors to be considered when installing a hose assembly are:

- hose elongation or contraction
- proper bend radius/ hose routing under pressure
- elbows and adapters to relieve strain
- protection from rubbing or abrasion high temperature sources
- protection against excessive movement
- twisting from pressure spikes/surges

These hose assembly installation factors and the other information in this catalog should be considered by you before installing the hose assembly. If you have any questions regarding proper hose installation, for global support contact your local Eaton technical representative.

Hose Maintenance

Proper maintenance of the hose is essential to the safe use of the hose and related equipment. Hose should be stored in a dry place. Hose should also be visually inspected. Any hose that has a cut or gouge in the cover that exposes the reinforcement should be retired from service. Hoses should also be inspected for kinking or broken reinforcement. If the outside diameter of the hose is reduced by 20% or more, the hose should be repaired or removed from service. Inadequate attention to hose maintenance may result in hose leakage, bursting, or other failure which may cause serious bodily injury or property damage from spraying fluids, flying projectiles, or other substances.



WARNING: Eaton industrial hose, should be used only with compatible/ approved fittings and assembly equipment. Do not combine or use Aeroquip or Weatherhead fittings and assembly equipment with each other, i.e. Aeroquip fittings with Weatherhead assembly equipment, or with hose, hose fittings or assembly equipment supplied by another manufacturer. Eaton hereby disclaims any obligation or liability (including incidental and consequential damages) arising from breach or contract, warranty, or tort (under negligence or strict liability theories) should Aeroquip or Weatherhead hose fittings or assembly equipment be used interchangeably or with any fittings or assembly equipment supplied by another manufacturer, or in the event that product instructions for each specified hose assembly are not followed.

Important — User Responsibility

The user should carefully observe the precautions listed in this catalog or brochure, including the recommendations on the selection of hose and fittings on the relevant pages on fluid compatibility. In addition, care should be taken not to exceed the minimum bend radius listed for each hose size and type in the hose section. Maximum operating pressure should not exceed pressures listed in the hose data. Instructions for assembling fittings to different hose should be followed carefully to ensure the performance of the completed assembly.

 **WARNING** Application considerations must be observed in selecting appropriate components for the application of these products contained herein. The failure to follow the recommendations set forth in this catalog may result in an unstable application which may result in serious personal injury or property damage.

 **WARNING** Eaton or any of its affiliates or subsidiaries shall not be subject to and disclaims any obligations or liabilities (including but not limited to all consequential, incidental and contingent damages) arising from tort claims (including without limitation negligence and strict liability) or other theories of law.

Failure to follow these processes and product instructions and limitations could lead to premature hose assembly failures resulting in property damage, serious injury or death.

For your online resource for Eaton warranty and returns information. Use the links below to review the details of the Eaton Limited Warranty, and learn about the Standard Terms and Conditions that apply to your Eaton products.



Product Warranty

The Eaton Hydraulics warranty policy is located at www.eaton.com/hydraulicswarranty



Terms and Condition of Sale

The Eaton Hydraulics Terms and conditions of sale policy is located at www.eaton.com/us/en-us/support/terms-conditions/hydraulics-terms-and-conditions.html



Contact us

At Eaton, it's important that we not only provide industry-leading products, but also the best support in the industry. Our customer and sales support organization is dedicated to providing our customers and distributors with the information they need. Contact us to submit your request, questions or comments.

www.eaton.com/us/en-us/forms/hydraulics/contact-us.html

Air and multipurpose

High pressure

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Air and multipurpose

High pressure air

H6009 BULLDOG GOLD™



Application: Air-operated equipment, boring and mining
Tube: Nitrile (RMA Class A)
Reinforcement: 1-, 2- and 3-wire braid
Cover: Pin-picked Carboxylated nitrile
Temp: -40°C to +121°C (-40°F to +250°F)
Pressure: 35-70 bar / 500-1000 psi

H6008 BULLDOG YELLOW JACK™



Application: Power drills, boring, mining and air-operated equipment
Tube: Vinyl nitrile, (RMA Class A)
Reinforcement: 1-, 2- & 3-wire braid
Cover: Neoprene MSHA approved
Temp: -40°C to +93°C, (-40°F to +200°F)
Pressure: 28-103 bar / 400-1500 psi

EHA500 High pressure air



Application: High-pressure air
Tube: Oil-resistant nitrile blend
Reinforcement: High-tensile steel wire
Cover: Synthetic rubber
Temp: -40°C to +93°C, (-40°F to +200°F)
Pressure: 41 bar / 600 psi

H9622 Contractors air



Application: Power drills, boring, mining and air-operated equipment
Tube: Nitrile (RMA Class A)
Reinforcement: 1- & 2-wire braid
Cover: Neoprene
Temp: -40°C to +93°C, (-40°F to +200°F)
Pressure: 35-70 bar / 500-1000 psi

EHT480 Conductive anti-static air & water



Application: Power drills, boring, mining and air-operated equipment
Tube: Black conductive PVC
Reinforcement: High tensile polyester yarn
Cover: Abrasive resistant yellow PVC and black conductive striped PVC
Temp: -10°C to +70°C, (+14°F to +158°F)
Pressure: 17-25 bar / 247-362 psi

Medium pressure air

H6002 BULLDOG™ air



Application: Power drills, boring, mining and air-operated equipment
Tube: Nitrile
Reinforcement: 2-fiber braid or fiber ply
Cover: Neoprene or vinyl nitrile
Temp: -40°C to +93°C, (-40°F to +200°F)
Pressure: 13,8-28,0 bar / 200-400 psi

EHA502 Heavy duty air



Application: Heavy duty air
Tube: Synthetic rubber
Reinforcement: High-tensile synthetic textile
Cover: Synthetic rubber
Temp: -25°C to +70°C, (13°F to +158°F)
Pressure: 28 bar / 400 psi

EHA501 Medium duty air



Application: Medium duty air service
Tube: Synthetic rubber
Reinforcement: High-tensile synthetic textile
Cover: Synthetic rubber
Temp: -25°C to +70°C, (13°F to +158°F)
Pressure: 20,7 bar / 300 psi

EHA505 Medium duty air



Application: Medium duty air service and pneumatic tools
Tube: Oil-mist resistant synthetic rubber
Reinforcement: High-tensile synthetic textile
Cover: Synthetic rubber
Temp: -25°C to +70°C, (-13°F to +158°F)
Pressure: 20,7 bar / 300 psi

Low working pressure

H9949 SHOCK-SAFE™



Application: Air and water transfer where hose must be non-conductive
Tube: Nitrile (non-conductive)
Reinforcement: 2-fiber braid
Cover: Vinyl nitrile (non-conductive)
Temp: -40°C to +82°C, (-40°F to +180°F)
Pressure: 19,0 bar / 275 psi

H1776 & H1777 PERFECTION™ 300



Application: Air and water transfer, air tools
Tube: Nitrile (RMA Class A)
Reinforcement: 1- or 2-fiber braid
Cover: Vinyl nitrile
Temp: -40°C to +82°C, (-40°F to +180°F)
Pressure: 22,4 bar / 325 psi

H201 EASY COUPLE™

Application: Air and water transfer, power for air-operated and pneumatic tools

Tube: Vinyl Nitrile (RMA Class A)

Reinforcement: 1-braid fiber

Cover: Neoprene or Vinyl nitrile

Temp: -40°C to +100°C, (-40°F to +212°F)

Pressure: 14-21 bar / 200-300 psi

H1812 Industrial air/ water

Application: Air and water transfer, pneumatic tools and spraying water-based fertilizers and pesticides

Tube: EPDM rubber

Reinforcement: 2-fiber braid

Cover: EPDM rubber

Temp: -40°C to +82°C, (-40°F to +180°F)

Pressure: 17,2-19,0 bar / 250-275 psi

H275 POLYFORCE II™

Application: Transfer of air and water. Air tools and lubricated air.

Tube: PVC

Reinforcement: 2-spiral braid

Cover: Pin-pricked PVC

Temp: -23°C to +65°C, (-10°F to +150°F)

Pressure: 9-21 bar / 125-300 psi

General air & water

H1981 & H1982 MARATHONER™– Non-conductive

Application: Medium oil-resistance, air and water transfer

Tube: Nitrile blend

Reinforcement: 2- or 4-fiber spiral

Cover: Pin-pricked nitrile blend

Temp: -40°C to +82°C, (-40°F to +180°F)

Pressure: 13,8-20,7 bar / 200-300 psi

H0105 BOSFLEX™ A/W

Application: Air and water transfer, and spraying and conveying water-based liquid fertilizers and pesticides

Tube: EPDM

Reinforcement: 4-fiber spiral and 2-fiber braid

Cover: EPDM

Temp: -40°C to +82°C, (-40°F to +180°F)

Pressure: 13,8-20,7 bar / 200-300 psi

H0106 BOSFLEX™ A/W

Application: Air and water transfer, and spraying and conveying water-based liquid fertilizers and pesticides

Tube: EPDM

Reinforcement: 2-spiral fiber

Cover: EPDM

Temp: -40°C to +82°C, (-40°F to +180°F)

Pressure: 13,8-20,7 bar / 200-300 psi

EHW520 Non-conductive multipurpose

Application: Air and water transfer, pneumatic tools and industrial welding

Tube: Synthetic rubber

Reinforcement: One textile spiral

Cover: Synthetic rubber

Temp: -40°C to +80°C, (-40°F to +176°F)

Pressure: 20,7 bar / 300 psi

EHA901 Multipurpose

Application: Air and water and nitrogen transfer

Tube: Synthetic rubber

Reinforcement: High-tensile synthetic textile

Cover: Synthetic rubber

Temp: -40°C to +70°C, (-40°F to +158°F)

Pressure: 20,7 bar / 300 psi

EHA509 & EHA510 Multipurpose - EPDM

Application: For use with air or water and dust control

Tube: EPDM rubber **Reinforcement:** High-tensile synthetic textile

Cover: EPDM rubber

Temp: -40°C to +120°C, (-40°F to +248°F)

Pressure: 10,5-20,7 bar / 150-300 psi

Specialty

EHW028 Heavy duty MSHA mine spray

Application: High pressure air in mines

Tube: Oil-mist resistant nitrile blend

Reinforcement: High-tensile steel wire

Cover: MSHA pin-pricked neoprene

Temp: -35°C to +100°C, (-31°F to +212°F)

Pressure: 70 bar / 1000 psi

EHA511 Air and dust suction

Application: For suction of air, dust, grain, powder, etc.

Tube: Synthetic rubber

Reinforcement: Synthetic textile and steel helical wire

Cover: Corrugated synthetic rubber

Temp: -20°C to +70°C, (-4°F to +158°F)

Air and multipurpose

Introduction and Safety information



Every hose is easily identified

- Every foot of hose is easily identified by means of permanent branding. This makes hose selection on the job quicker, easier and safer, and buying hose is easier too—because you can tell at a glance that you’re getting exactly the hose you ordered.

Multi-purpose hose for specialized uses

- Eaton calls them “Multipurpose” hoses, meaning they’ll do a tremendous variety of jobs. In many cases one Eaton hose can replace several different “special purpose” styles. This helps keep expenses low.

Brand name identity (and the quality that goes behind it)

- With the Eaton brand name on the hose you buy, you are assured maximum value and consistent quality. With over 100 years worth of reputation at stake, we wouldn’t have it any other way.

Air and Multipurpose hose - Safety information

Important!

⚠ WARNING: Testing can be dangerous and should be done only by trained personnel using proper tools and procedures. Failure to follow such procedures might result in serious injury, death, or damage to property.

⚠ WARNING: Failure to properly follow the manufacturer’s recommended procedures for the care, maintenance, and storage of a particular hose may result in its failure to perform in the manner intended and may result in serious injury, death, or damage to property.

⚠ WARNING: Consult with the Coupling Manufacturer to make sure you choose the correct coupling and proper assembly for the application. Such matching of hose and couplings, and assembling of couplings, should be performed only by trained personnel using proper tools and procedures. Failure to follow manufacturer’s instructions or failure to use trained personnel may result in serious bodily injury and/or property damage.

⚠ WARNING: Never use a hose to transfer material it is not specifically meant to transfer. Doing so could deteriorate the hose and result in leaking, hose bursting, or end blow-offs. This could lead to serious personal injury or death. Always transfer material in a hose that is designed specifically to transfer that material. This information is listed in this catalog.

⚠ WARNING: Consider both working pressure and pressure surges when determining “maximum” pressure. Failure to select a hose that meets both these requirements could lead to end blow-offs, hose leakage, and hose bursting. The result could be serious injury or death. The Eaton hose you choose must meet or exceed the required working pressure, and must have a safety factor to allow for surge pressure.

⚠ WARNING: Be aware that if you replace a hose with one having a different I.D. than the original hose, material velocity could increase or decrease, possibly creating static electricity. This could lead to an explosion causing serious injury or death.

⚠ WARNING: Selection of the proper hose for the application is essential to the proper operation and safe use of the hose and related equipment. Inadequate attention to selection of hose for the application can result in serious bodily injury or property damage. In order to avoid serious bodily injury or property damage resulting from selection of the wrong hose, you should carefully review the information in this catalog.

Air and multipurpose

High pressure

 Refer to warnings and safety information on pages N-1 – N-16.

Use of damaged hose or improper use may result in bodily injury or property damage. Please consult Eaton catalog or Technical Support for proper application.

H6009

BULLDOG GOLD™



Construction:

Tube: Nitrile (RMA Class A)

Reinforcement:

1.00" - 1.25" 1-wire braid
1.50" - 3.00" 2-wire braid
4.00" 3-wire braid

Cover: Pin-pricked carboxylated nitrile

Operating temperature:

-40°C to +121°C
(-40°F to +250°F)

Application:

- Provide power to air-operated construction equipment
- Power air-operated drills, boring, and mining equipment

Markets:

- Construction
- Mining
- Oil and gas exploration
- Water drilling
- Ship building

Type of couplings:

- Eaton "Z" series (-20 to -32)
- TTC series (-20 to -32)
- Union
- Boss male
- Ground joint female
- Air hammer
- Air king
- Eaton quick disconnect

Contact coupling manufacturer for attachment procedure and other coupling recommendations

# Part No.			 Hose I.D.			 Hose O.D.		 Max Operating Pressure		 Burst Pressure		 Weight		 Length	
	mtr	ft	DN	mm	in	mm	in	bar	psi	bar	psi	kg/m	lbs/ft	mtr	ft
H600916-		50	25	25,4	1.00	38,1	1.50	70,0	1000	275	4000	0,96	0.64		50
H600916-		100	25	25,4	1.00	38,1	1.50	70,0	1000	275	4000	0,96	0.64		100
H600920-		50	31	31,8	1.25	46,0	1.81	55,0	800	220	3200	1,80	1.20		50
H600924		50	38	38,1	1.50	54,0	2.12	41,0	600	165	2400	2,01	1.34		50
H600924-		100	38	38,1	1.50	54,0	2.12	41,0	600	165	2400	2,01	1.34		100
H600932-		50	51	50,8	2.00	67,5	2.66	41,0	600	165	2400	2,95	1.97		50
H600932-		100	51	50,8	2.00	67,5	2.66	41,0	600	165	2400	2,95	1.97		100
H600932-		150	51	50,8	2.00	67,5	2.66	41,0	600	165	2400	2,95	1.97		150
H600940-		50	60	63,5	2.50	80,2	3.16	41,0	600	165	2400	3,75	2.50		50
H600940-		100	60	63,5	2.50	80,2	3.16	41,0	600	165	2400	3,75	2.50		100
H600948-		40	80	76,2	3.00	94,5	3.72	41,0	600	165	2400	4,72	3.15		50
H600948-		100	80	76,2	3.00	94,5	3.72	41,0	600	165	2400	4,72	3.15		100
H600964-		50	102	101,6	4.00	127,0	5.00	35,0	500	138	2000	7,97	5.32		50
H600964-		100	102	101,6	4.00	127,0	5.00	35,0	500	138	2000	7,97	5.32		100
H600964-		150	102	101,6	4.00	127,0	5.00	35,0	500	138	2000	7,97	5.32		150

Air and multipurpose

High pressure

 Refer to warnings and safety information on pages N-1 – N-16.

Use of damaged hose or improper use may result in bodily injury or property damage. Please consult Eaton catalog or Technical Support for proper application.

H6008

BULLDOG YELLOW JACK™



Construction:

Tube: Vinyl nitrile (RMA Class A)

Reinforcement:

0.50" – 1.25" 1-wire braid
1.50" – 3.00" 2-wire braid
4.00" 3-wire braid

Cover: Pin-pricked neoprene
MSHA approved

Operating temperature:

-40°C to +93°C
(-40°F to +200°F)

Application:

- Power operated drills, boring, and mining equipment
- Provide power to air-operated equipment

Markets:

- Oil and gas exploration
- Metal working
- Construction
- Mining

Type of couplings:

- Eaton "Z" series
- Boss
- Ground joint
- Air hammer
- Air king
- Eaton quick disconnect

Contact coupling manufacturer for attachment procedure and other coupling recommendations

# Part No.	Hose I.D.		Hose O.D.		Max Operating Pressure		Burst Pressure		Weight		Length				
	mtr	ft	DN	mm	in	mm	in	bar	psi	bar	psi	kg/m	lbs/ft	mtr	ft
H600808		50	12	12,7	0.50	24,6	0.97	103,0	1500	420	6000	0,60	0.40		50
H600808-100		100	12	12,7	0.50	24,6	0.97	103,0	1500	420	6000	0,60	0.40		100
H600812-100		100	19	19,0	0.75	31,8	1.25	83,0	1200	335	4800	1,00	0.67		100
H600816		50	25	25,4	1.00	38,1	1.50	69,0	1000	280	4000	1,27	0.85		50
H600816-100		100	25	25,4	1.00	38,1	1.50	69,0	1000	280	4000	1,27	0.85		100
H600820		50	31	31,8	1.25	46,0	1.81	45,0	650	182	2600	1,87	1.25		50
H600824		50	38	38,1	1.50	54,0	2.12	42,0	600	168	2400	2,49	1.66		50
H600824-100		100	38	38,1	1.50	54,0	2.12	42,0	600	168	2400	2,49	1.66		100
H600832		50	51	50,8	2.00	67,4	2.66	42,0	600	168	2400	3,09	2.06		50
H600832-100*		100	51	50,8	2.00	67,4	2.66	42,0	600	168	2400	3,09	2.06		100
H600840		50	60	63,5	2.50	80,2	3.16	28,0	400	112	1600	3,66	2.44		50
H600840-100*		100	60	63,5	2.50	80,2	3.16	28,0	400	112	1600	3,66	2.44		100
H600848		50	80	76,2	3.00	94,5	3.72	28,0	400	112	1600	4,15	2.77		50
H600848-100		100	80	76,2	3.00	94,5	3.72	28,0	400	112	1600	4,15	2.77		100
H600864		50	102	101,6	4.00	126,9	4.99	28,0	400	112	1600	6,43	4.29		50

* 150 ft. length available

Air and multipurpose

High pressure

 Refer to warnings and safety information on pages N-1 – N-16.

Use of damaged hose or improper use may result in bodily injury or property damage. Please consult Eaton catalog or Technical Support for proper application.

EHA500

High pressure air



Construction:

Tube: Oil-resistant nitrile blend

Reinforcement: High-tensile steel wire

Cover: Pin-pricked, abrasion, ozone, and weather resistant synthetic rubber

Operating temperature:

-40°C to +93°C
(-40°F to +200°F)

Application:

- High-pressure air service

Markets:

- Construction
- Oil field equipment
- Drilling equipment
- Mining
- Rental industry
- Steel
- Paper

Type of couplings:

- Boss
- Ground joint
- Air hammer
- Air king
- Eaton quick disconnect

Contact coupling manufacturer for attachment procedure and other coupling recommendations

# Part No.			Hose I.D.			Hose O.D.		Max Operating Pressure		Burst Pressure		Weight		Length	
	mtr	ft	DN	mm	in	mm	in	bar	psi	bar	psi	kg/m	lbs/ft	mtr	ft
EHA500-08YW-	MXX	100	12	12,7	0.50	23,0	0.91	41,0	600	165	2400	0,51	0.34	40-61	100
EHA500-12YW-	MXX	100	19	19,0	0.75	29,5	1.16	41,0	600	165	2400	0,62	0.42	40-61	100
EHA500-16YW-	MXX	100	25	25,4	1.00	36,0	1.42	41,0	600	165	2400	0,88	0.59	40-61	100
EHA500-20YW-	MXX	100	31	31,8	1.25	43,0	1.69	41,0	600	165	2400	1,12	0.75	40-61	100
EHA500-24YW-	MXX	100	38	38,1	1.50	50,0	1.97	41,0	600	165	2400	1,55	1.04	40-61	100
EHA500-32YW-	MXX	100	51	50,8	2.00	66,0	2.60	41,0	600	165	2400	2,51	1.69	40-61	100
EHA500-40YW-	MXX	100	60	63,5	2.50	80,0	3.15	41,0	600	165	2400	3,36	2.26	40-61	100
EHA500-48YW-	MXX	100	80	76,2	3.00	93,9	3.70	41,0	600	165	2400	4,49	3.02	40-61	100
EHA500-64YW-	MXX	100	102	101,6	4.00	122,0	4.80	41,0	600	165	2400	6,77	4.55	40-61	100

**50 ft. length also available and black cover available on a MTO basis

Air and multipurpose

High pressure

 Refer to warnings and safety information on pages N-1 – N-16.

Use of damaged hose or improper use may result in bodily injury or property damage. Please consult Eaton catalog or Technical Support for proper application.

H9622

Contractors air



Construction:

Tube: Nitrile (RMA Class A)

Reinforcement:

0.50" - 1.25" 1-wire braid
1.50" - 3.00" 2-wire braid

Cover: Pin-pricked neoprene

Operating temperature:

-40°C to +93°C
(-40°F to +200°F)

Application:

- Power operated drills, boring, and mining equipment
- Provide power to air-operated equipment

Markets:

- Oil and gas exploration
- Metal working
- Construction
- Mining

Type of couplings:

- Eaton "Z" series
- Boss
- Ground joint
- Air hammer
- Air king
- Eaton quick disconnect

Contact coupling manufacturer for attachment procedure and other coupling recommendations

# Part No.	Hose I.D.		Hose O.D.		Max Operating Pressure		Burst Pressure		Weight		Length				
	mtr	ft	DN	mm	in	mm	in	bar	psi	bar	psi	kg/m	lbs/ft	mtr	ft
H962208		50	12	12,7	0.50	23,8	0.94	70,0	1000	275	4000	0,51	0.34		50
H962208-		100	12	12,7	0.50	23,8	0.94	70,0	1000	275	4000	0,51	0.34		100
H962212		50	19	19,0	0.75	30,2	1.19	70,0	1000	275	4000	0,65	0.44		50
H962212-*		100	19	19,0	0.75	30,2	1.19	70,0	1000	275	4000	0,65	0.44		100
H962216		50	25	25,4	1.00	38,1	1.50	60,0	850	235	3400	0,91	0.61		50
H962216-*		100	25	25,4	1.00	38,1	1.50	60,0	850	235	3400	0,91	0.61		100
H962220		50	31	31,8	1.25	43,7	1.72	35,0	500	138	2000	1,20	0.81		50
H962220-*		100	31	31,8	1.25	43,7	1.72	35,0	500	138	2000	1,20	0.81		100
H962224		50	38	38,1	1.50	53,9	2.12	35,0	500	138	2000	2,23	1.50		50
H962224-		100	38	38,1	1.50	53,9	2.12	35,0	500	138	2000	2,23	1.50		100
H962232		50	51	50,8	2.00	67,4	2.65	35,0	500	138	2000	3,03	2.04		50
H962232-*		100	51	50,8	2.00	67,4	2.65	35,0	500	138	2000	3,03	2.04		100

* 150 ft. length available

Air and multipurpose

High pressure

EHT480

Conductive anti-static air and water



Construction:

Tube: Black conductive PVC

Reinforcement: High tensile polyester yarn

Cover: Abrasive resistant yellow PVC and black conductive striped PVC

Operating temperature:

-10°C to +70°C
(-14°F to +158°F)

Application:

- High technology anti-static air and water supply hose designed for the mining industry.
- Features a conductive outer strip connected to its conductive inner wall

Markets:

- Mining

Type of couplings:

- Boss
- Ground joint

Contact coupling manufacturer for attachment procedure and other coupling recommendations

Meets AS/NZS 2554 and AS 2660

# Part No.			Hose I.D.			Hose O.D.		Max Operating Pressure		Burst Pressure		Weight		Length	
	mtr	ft	DN	mm	in	mm	in	bar	psi	bar	psi	kg/m	lbs/ft	mtr	ft
EHT480-08	50		12	13,3	0.50	23,0	1.00	25,0	362	100	1450	370	248,6	50	
EHT480-16	50		25	26,0	1.00	35,5	1.50	25,0	362	100	1450	575	386,4	50	
EHT480-24	50		38	40,0	1.50	50,0	2.00	21,0	305	85	1233	955	641,7	50	
EHT480-32*	50		51	51,5	2.00	64,0	2.50	17,0	247	70	1015	1643	1104,1	50	

* Product also available in green

Air and multipurpose

Medium pressure

 Refer to warnings and safety information on pages N-1 – N-16.

Use of damaged hose or improper use may result in bodily injury or property damage. Please consult Eaton catalog or Technical Support for proper application.

H6002

BULLDOG™ air



Construction:

Tube: Nitrile

Reinforcement:

.50" - 1.00" 2-fiber braid
1.25" - 3.00" 2-fiber ply

Cover:

.50" - 1.00" pin-pricked neoprene
1.25" - 3.00" pin-pricked vinyl nitrile

Operating temperature:

-40°C to +93°C
(-40°F to +200°F)

Application:

- Power operated drills, boring and mining equipment
- Provide power to air-operated equipment

Markets:

- Metal working
- Construction
- Mining
- Forest industry

Type of couplings:

- Eaton "Z" series (-8 to -32)
- TTC series (-8 to -32)
- Boss
- Ground joint
- Air hammer
- Air king
- Eaton quick disconnect

Contact coupling manufacturer for attachment procedure and other coupling recommendations

# Part No.	Hose I.D.		Hose O.D.		Max Operating Pressure		Burst Pressure		Weight		Length				
	mtr	ft	DN	mm	in	mm	in	bar	psi	bar	psi	kg/m	lbs/ft	mtr	ft
H600208		50	12	12,7	0.50	23,0	0.91	28,0	400	110	1600	0,46	0.31		50
H600208-*		100	12	12,7	0.50	23,0	0.91	28,0	400	110	1600	0,46	0.31		100
H600212		50	19	19,0	0.75	30,2	1.19	28,0	400	110	1600	0,68	0.46		50
H600212-		100	19	19,0	0.75	30,2	1.19	28,0	400	110	1600	0,68	0.46		100
H600216		50	25	25,4	1.00	38,1	1.50	28,0	400	110	1600	1,00	0.67		50
H600216-		100	25	25,4	1.00	38,1	1.50	28,0	400	110	1600	1,00	0.67		100
H600220		50	31	31,8	1.25	46,0	1.81	28,0	400	110	1600	1,28	0.86		50
H600220-		100	31	31,8	1.25	46,0	1.81	28,0	400	110	1600	1,28	0.86		100
H600224		50	38	38,1	1.50	52,4	2.06	28,0	400	110	1600	1,47	0.99		50
H600224-		100	38	38,1	1.50	52,4	2.06	28,0	400	110	1600	1,47	0.99		100
H600232		50	51	50,8	2.00	66,7	2.63	20,7	300	83	1200	1,89	1.27		50
H600232-		100	51	50,8	2.00	66,7	2.63	20,7	300	83	1200	1,89	1.27		100
H600248-		150	80	76,2	3.00	90,5	3.56	13,8	200	55	800	2,86	1.92		150

* 150 ft. length available

Air and multipurpose

Medium pressure

 Refer to warnings and safety information on pages N-1 – N-16.

Use of damaged hose or improper use may result in bodily injury or property damage. Please consult Eaton catalog or Technical Support for proper application.

EHA502

Heavy duty air



Construction:

Tube: Oil-mist resistant synthetic rubber

Reinforcement: High-tensile synthetic textile

Cover: Abrasion, ozone, and weather resistant synthetic rubber

Operating temperature:

-25°C to +70°C
(-13°F to +158°F)

Application:

- Heavy duty air service

Markets:

- Construction
- Mining
- Oil and gas exploration
- Drilling equipment
- Rental industry
- Steel
- Quarries

Type of couplings:

- Boss male
- Ground joint female
- Air hammer
- Air king
- Eaton quick disconnect

Contact coupling manufacturer for attachment procedure and other coupling recommendations

# Part No.			Hose I.D.			Hose O.D.		Max Operating Pressure		Burst Pressure		Weight		Length	
			DN	mm	in	mm	in	bar	psi	bar	psi	kg/m	lbs/ft	mtr	ft
EHA502-08YW-	MXX	100	12	12,7	0.50	23,0	0.91	28,0	400	83,0	1200	0,38	0.26	40-61	100
EHA502-10YW-	MXX	100	16	15,9	0.62	26,0	1.02	28,0	400	83,0	1200	0,45	0.30	40-61	100
EHA502-12YW-	MXX	100	19	19,0	0.75	30,0	1.18	28,0	400	83,0	1200	0,57	0.38	40-61	100
EHA502-16YW-	MXX	100	25	25,4	1.00	37,0	1.46	28,0	400	83,0	1200	0,72	0.48	40-61	100
EHA502-20YW-	MXX	100	31	31,8	1.25	44,0	1.73	28,0	400	83,0	1200	0,95	0.64	40-61	100
EHA502-24YW-	MXX	100	38	38,1	1.50	51,0	2.01	28,0	400	83,0	1200	1,21	0.81	40-61	100
EHA502-28YW-	MXX	100	45	44,5	1.75	60,0	2.36	28,0	400	83,0	1200	1,66	1.12	40-61	100
EHA502-32YW-	MXX	100	51	50,8	2.00	66,0	2.60	28,0	400	83,0	1200	1,83	1.23	40-61	100
EHA502-40YW-	MXX	100	60	63,5	2.50	80,0	3.15	28,0	400	83,0	1200	2,51	1.68	40-61	100
EHA502-48YW-	MXX	100	80	76,2	3.00	92,0	3.62	28,0	400	83,0	1200	2,79	1.87	40-61	100
EHA502-64YW-	MXX	100	102	101,6	4.00	118,0	4.65	28,0	400	83,0	1200	3,53	2.37	40-61	100

* Product also available in BK Black

Air and multipurpose

Medium pressure

 Refer to warnings and safety information on pages N-1 – N-16.

Use of damaged hose or improper use may result in bodily injury or property damage. Please consult Eaton catalog or Technical Support for proper application.

EHA501

Medium duty air

TS 745 - EN ISO 2398 Type 4 Class A



Construction:

Tube: Oil-mist resistant synthetic rubber

Reinforcement: High-tensile synthetic textile

Cover: Abrasion, ozone, and weather resistant synthetic rubber

Operating temperature:

-25°C to +70°C
(-13°F to +158°F)

Application:

- Medium duty air service

Markets:

- Construction
- Mining
- Oil and gas exploration
- Drilling equipment
- Rental industry
- Steel
- Quarries

Type of couplings:

- Boss male
- Ground joint female
- Air hammer
- Air king
- Eaton quick disconnect

Contact coupling manufacturer for attachment procedure and other coupling recommendations

# Part No.			 Hose I.D.			 Hose O.D.		 Max Operating Pressure		 Burst Pressure		 Weight		 Length	
			mtr	ft	DN	mm	in	mm	in	bar	psi	bar	psi	kg/m	lbs/ft
EHA501-08YW-	MXX	100	12	12,7	0.50	22,0	0.87	20,7	300	62,0	900	0,33	0.22	40-61	100
EHA501-10YW-	MXX	100	16	15,9	0.62	25,0	0.98	20,7	300	62,0	900	0,37	0.25	40-61	100
EHA501-12YW-	MXX	100	19	19,0	0.75	29,0	1.14	20,7	300	62,0	900	0,50	0.33	40-61	100
EHA501-16YW-	MXX	100	25	25,4	1.00	36,0	1.42	20,7	300	62,0	900	0,67	0.45	40-61	100
EHA501-20YW-	MXX	100	31	31,8	1.25	44,0	1.73	20,7	300	62,0	900	0,96	0.64	40-61	100
EHA501-24YW-	MXX	100	38	38,1	1.50	51,0	2.01	20,7	300	62,0	900	1,18	0.79	40-61	100
EHA501-28YW-	MXX	100	45	44,5	1.75	60,0	2.36	20,7	300	62,0	900	1,63	1.10	40-61	100
EHA501-32YW-	MXX	100	51	50,8	2.00	65,0	2.56	20,7	300	62,0	900	1,66	1.11	40-61	100
EHA501-40YW-	MXX	100	60	63,5	2.50	80,0	3.15	20,7	300	62,0	900	2,45	1.65	40-61	100
EHA501-48YW-	MXX	100	80	76,2	3.00	92,0	3.62	20,7	300	62,0	900	2,65	1.78	40-61	100
EHA501-64YW-	MXX	100	102	101,6	4.00	118,0	4.65	20,7	300	62,0	900	3,81	2.56	40-61	100

* Product also available in BK Black

Air and multipurpose

Medium pressure

 Refer to warnings and safety information on pages N-1 – N-16.

Use of damaged hose or improper use may result in bodily injury or property damage. Please consult Eaton catalog or Technical Support for proper application.

EHA505

Medium duty air



Construction:

Tube: Oil-mist resistant synthetic rubber

Reinforcement: High-tensile synthetic textile

Cover: Abrasion, ozone, and weather resistant synthetic rubber

Operating temperature:

-25°C to +70°C
(-13°F to +158°F)

Application:

- Medium duty air service
- Pneumatic tools

Markets:

- Construction
- Mining
- Rental industry
- Oil and gas exploration
- In-plant air service

Type of couplings:

- Eaton quick disconnect
- Male barbed inserts

Contact coupling manufacturer for attachment procedure and other coupling recommendations

# Part No.			 Hose I.D.			 Hose O.D.		 Max Operating Pressure		 Burst Pressure		 Weight		 Length	
			mtr	ft	DN	mm	in	mm	in	bar	psi	bar	psi	kg/m	lbs/ft
EHA505-04BK-	M100	300	6	6,4	0.25	13	0.51	20,7	300	62,0	900	0,16	0.11	100	300
EHA505-05BK-	M100	300	8	7,9	0.31	15	0.59	20,7	300	62,0	900	0,20	0.13	100	300
EHA505-06BK-	M100	300	10	9,5	0.38	18	0.71	20,7	300	62,0	900	0,27	0.18	100	300
EHA505-08BK-	M100	300	12	12,7	0.50	22	0.87	20,7	300	62,0	900	0,40	0.27	100	300
EHA505-10BK-	M100	300	16	15,9	0.62	25	0.98	20,7	300	62,0	900	0,45	0.30	100	300
EHA505-12BK-	M100	300	19	19,0	0.75	29	1.14	20,7	300	62,0	900	0,59	0.40	100	300
EHA505-16BK-	M100	300	25	25,4	1.00	37	1.46	20,7	300	62,0	900	1,89	1.27	100	300

* Product sold in bales with maximum three cut lengths in each bale

** Product also available in YW-Yellow

Air and multipurpose

Low working pressure

 Refer to warnings and safety information on pages N-1 – N-16.

Use of damaged hose or improper use may result in bodily injury or property damage. Please consult Eaton catalog or Technical Support for proper application.

H9949

SHOCK-SAFE™



Construction:

Tube: Nitrile (non-conductive)

Reinforcement: 2-fiber braid

Cover: Vinyl nitrile (non-conductive)

Operating temperature:

-40°C to +82°C
(-40°F to +180°F)

Application:

- Air and water transfer where hose must be non-conductive

Markets:

- Oil and gas exploration
- Steel and metal
- Mining
- In-plant service

Type of couplings:

- Eaton “Z” series
- TTC series
- Eaton quick disconnect

Contact coupling manufacturer for attachment procedure and other coupling recommendations

# Part No.			 Hose I.D.			 Hose O.D.		 Max Operating Pressure		 Burst Pressure		 Weight		 Length	
			mtr	ft	DN	mm	in	mm	in	bar	psi	bar	psi	kg/m	lbs/ft
H994904-		500R	6	6,4	0.25	15,1	0.59	19,0	275	75,0	1100	0,22	0.15		500
H994906-		500R	10	9,5	0.38	18,3	0.72	19,0	275	75,0	1100	0,28	0.19		500
H994908-		500R	12	12,7	0.50	22,2	0.88	19,0	275	75,0	1100	0,40	0.27		500
H994912-		500R	19	19,0	0.75	29,4	1.16	19,0	275	75,0	1100	0,61	0.41		500
H994916-		300R	25	25,4	1.00	36,5	1.44	19,0	275	75,0	1100	0,95	0.64		300

Air and multipurpose

Low working pressure

 Refer to warnings and safety information on pages N-1 – N-16.

Use of damaged hose or improper use may result in bodily injury or property damage. Please consult Eaton catalog or Technical Support for proper application.

H1776 & H1777

PERFECTION™ 300



Construction:

Tube: Nitrile (RMA Class A)

Reinforcement:

H1777 1-fiber braid

H1776 2-fiber braid

Cover: Vinyl nitrile

Operating temperature:

-40°C to +82°C
(-40°F to +180°F)

Application:

- For air and water transfer
- Air tools

Markets:

- Construction
- Mining
- General industry
- In-plant air service
- Food processing

Type of couplings:

- Eaton "Z" series (-4 to -8)
- * TTC series (-4 to -8)
- Long shank
- Eaton quick disconnect

Contact coupling manufacturer for attachment procedure and other coupling recommendations

# Part No.	 Hose I.D.					 Hose O.D.		 Max Operating Pressure		 Burst Pressure		 Weight		 Length	
	mtr	ft	DN	mm	in	mm	in	bar	psi	bar	psi	kg/m	lbs/ft	mtr	ft
H1777															
H177704-		500R	6	6,4	0.25	12,7	0.50	22,4	325	90,0	1300	0,16	0.11		500
H177705-		500R	8	7,9	0.31	15,9	0.63	22,4	325	90,0	1300	0,25	0.17		500
H177706-		500R	10	9,5	0.38	16,7	0.66	22,4	325	90,0	1300	0,25	0.17		500
H177708-		500R	12	12,7	0.50	20,6	0.81	22,4	325	90,0	1300	0,36	0.24		500

H1776

H177604-		500R	6	6,4	0.25	15,1	0.59	22,4	325	90,0	1300	0,22	0.15		500
H177606-		500R	10	9,5	0.38	18,3	0.72	22,4	325	90,0	1300	0,30	0.20		500
H177608-		500R	12	12,7	0.50	22,2	0.87	22,4	325	90,0	1300	0,46	0.31		500
H177610-		500R	16	15,9	0.62	25,4	1.00	22,4	325	90,0	1300	0,54	0.36		500
H177612-		500R	19	19,0	0.75	29,4	1.16	22,4	325	90,0	1300	0,65	0.44		500
H177616-		300R	25	25,4	1.00	36,5	1.44	22,4	325	90,0	1300	0,89	0.46		300
H177620-		300R	31	31,8	1.25	44,5	1.75	22,4	325	90,0	1300	0,97	0.65		300
H177624-		300R	38	38,1	1.50	50,8	2.00	22,4	325	90,0	1300	1,22	0.82		300

Air and multipurpose

Low working pressure

 Refer to warnings and safety information on pages N-1 – N-16.

Use of damaged hose or improper use may result in bodily injury or property damage. Please consult Eaton catalog or Technical Support for proper application.

H201

EASY COUPLE™



Construction:

Tube: Vinyl Nitrile (RMA Class A)

Reinforcement: 1-braid fiber

Cover:

(BK) Neoprene
(BU,GN, GY, RD,YW) Vinyl nitrile
(RD, GN, and BK are MSHA approved)

Application:

- Air and water transfer
- Pneumatic tools
- Air tools

Operating temperature:

Air and Water
-40°C to +100°C
(-40°F to +212°F)

Oil
-40°C to +127°C
(-40°F to +260°F)

Markets:

- Oil and gas exploration
- Construction
- Mining
- Plastic molding

Type of couplings:

- Aeroquip® socketless
- Push-on couplings
- Eaton “B” series
- Eaton quick disconnect

# Part No.			 Hose I.D.			 Hose O.D.		 Max Operating Pressure		 Burst Pressure		 Weight		 Length	
	mtr	ft	DN	mm	in	mm	in	bar	psi	bar	psi	kg/m	lbs/ft	mtr	ft
H20104XX		50	6	6,4	0.25	12,7	0.50	21,0	300	84,0	1200	0,13	0.09		50
H20104XX-**		250R	6	6,4	0.25	12,7	0.50	21,0	300	84,0	1200	0,13	0.09		250
H20104XX-		500R	6	6,4	0.25	12,7	0.50	21,0	300	84,0	1200	0,13	0.09		500
H20106XX		50	10	9,5	0.38	16,7	0.66	21,0	300	84,0	1200	0,19	0.13		50
H20106XX-**		250R	10	9,5	0.38	16,7	0.66	21,0	300	84,0	1200	0,19	0.13		250
H20106XX		500R	10	9,5	0.38	16,7	0.66	21,0	300	84,0	1200	0,19	0.13		500
H20108XX		50	12	12,7	0.50	19,2	0.76	21,0	300	84,0	1200	0,22	0.15		50
H20108XX-**		250R	12	12,7	0.50	19,2	0.76	21,0	300	84,0	1200	0,22	0.15		250
H20108XX-		500R	12	12,7	0.50	19,2	0.76	21,0	300	84,0	1200	0,22	0.15		500
H20110XX		50	16	15,9	0.62	23,6	0.93	21,0	300	84,0	1200	0,34	0.23		50
H20110XX-		250R	16	15,9	0.62	23,6	0.93	21,0	300	84,0	1200	0,34	0.23		250
H20112XX		50	19	19,0	0.75	26,3	1.04	21,0	300	84,0	1200	0,39	0.26		50
H20112XX-		250R	19	19,0	0.75	26,3	1.04	21,0	300	84,0	1200	0,39	0.26		250
H20116XX		50	25	25,4	1.00	34,9	1.38	14,0	200	55,0	800	0,57	0.38		50
H20116XX-		250R	25	25,4	1.00	34,9	1.38	14,0	200	55,0	800	0,57	0.38		250

* All sizes available in Black, Blue and Red **Green, Gray and Yellow available

Air and multipurpose

Low working pressure

 Refer to warnings and safety information on pages N-1 – N-16.

Use of damaged hose or improper use may result in bodily injury or property damage. Please consult Eaton catalog or Technical Support for proper application.

H1812

Industrial Air/Water



Construction:

Tube: EPDM rubber

Reinforcement: 2-fiber braid

Cover: EPDM rubber

Operating temperature:

-40°C to +82°C
(-40°F to +180°F)

Application:

- For transfer of air and water
- Pneumatic tools
- For spraying water-based fertilizers and pesticides

Markets:

- Metal working
- Construction
- Mining
- Oil and gas exploration
- In-plant service
- Agriculture

Type of couplings:

- Eaton "Z" series (-4 to -24)
- TTC series (-4 to -24)
- Barbed inserts
- Eaton quick disconnect

Contact coupling manufacturer for attachment procedure and other coupling recommendations

# Part No.			Hose I.D.			Hose O.D.		Max Operating Pressure		Burst Pressure		Weight		Length	
			DN	mm	in	mm	in	bar	psi	bar	psi	kg/m	lbs/ft	mtr	ft
H181204-		500R	6	6,4	0.25	15,1	0.59	19,0	275	75,0	1100	0,18	0.12		500
H181206-		500R	10	9,5	0.38	18,3	0.72	19,0	275	75,0	1100	0,27	0.18		500
H181208-		500R	12	12,7	0.50	22,2	0.87	17,2	250	70,0	1000	0,34	0.23		500
H181210-		500R	16	15,9	0.62	25,4	1.00	17,2	250	70,0	1000	0,42	0.28		500
H181212-		500R	19	19,0	0.75	29,4	1.16	17,2	250	70,0	1000	0,49	0.33		500
H181216-		300R	25	25,4	1.00	36,5	1.44	17,2	250	70,0	1000	0,68	0.46		300
H181220-		300R	31	31,8	1.25	44,5	1.75	17,2	250	70,0	1000	0,89	0.60		300
H181224-		300R	38	38,1	1.50	50,8	2.00	17,2	250	70,0	1000	1,08	0.73		300

Air and multipurpose

Low working pressure

 Refer to warnings and safety information on pages N-1 – N-16.

Use of damaged hose or improper use may result in bodily injury or property damage. Please consult Eaton catalog or Technical Support for proper application.

H275

POLYFORCE II™



Construction:

Tube: PVC

Reinforcement: 2-spiral fiber

Cover: Pin-pricked PVC

Operating temperature:

-23°C to +65°C
(-10°F to +150°F)

Application:

- For transfer of air and water
- Air tools
- Lubricated air

Markets:

- Construction
- Mining
- General industry
- In-plant air service
- Food processing

Type of couplings:

- Eaton “E” series (-6, -8, -12, -16)
- Eaton “Z” series (-4, -6, -8, -12, -16)
- 265 “P” series (-4, -6, -8, -12)
- TTC series (-4, -6, -8, -12, -16)
- Barbed inserts
- Quick acting or long shank
- Eaton quick disconnect

Contact coupling manufacturer for attachment procedure and other coupling recommendations

# Part No.	Hose I.D.			Hose O.D.		Max Operating Pressure		Burst Pressure		Minimum Bend Radius		Weight		Length	
	DN	mm	in	mm	in	bar	psi	bar	psi	mm	in	kg/m	lbs/ft	mtr	ft
H27504RD-600R*	6	6,4	0.25	12,1	0.48	21,0	300	82.1	1200	15,9	0.63	0,10	0.07	182,9	600
H27506RD-600R*	10	9,5	0.37	16,1	0.63	21,0	300	82.1	1200	25,4	1.00	0,16	0.12	182,9	600
H27508RD-500R*	12	12,9	0.51	19,3	0.76	21,0	300	82.1	1200	31,8	1.25	0,20	0.15	152,4	500
H27510RD-500R	16	15,9	0.63	23,2	0.91	21,0	300	82.1	1200	47,6	1.87	0,28	0.19	152,4	500
H27512RD-500R	19	19,4	0.76	26,7	1.05	21,0	300	82.1	1200	63,5	2.50	0,34	0.23	152,4	500
H27516RD-200R	25	25,4	1.00	33,6	1.32	17,0	250	69,0	1000	63,5	2.50	0,51	0.34	60,1	200
H27520RD-100	31	32,1	1.26	43,1	1.70	10,0	150	41,0	600	76,2	3.00	0,28	0.52	30,5	100
H27524RD-100	38	38,4	1.51	49,6	1.95	10,0	150	41,0	600	88,9	3.50	0,34	0.61	30,5	100
H27532RD-100	51	50,8	2.00	63,5	2.50	9,0	125	34,0	500	101,6	4.00	0,51	0.91	30,5	100

* Additional colors available ** Additional lengths available on select items

Air and multipurpose

General air and water

 Refer to warnings and safety information on pages N-1 – N-16.

Use of damaged hose or improper use may result in bodily injury or property damage. Please consult Eaton catalog or Technical Support for proper application.

H1981 & H1982

MARATHONER™ – Non-conductive



Construction:

Tube: Nitrile blend

Reinforcement: 2- or 4-fiber spiral

Cover: Pin-pricked nitrile blend

Operating temperature:

-40°C to +82°C
(-40°F to +180°F)

Application:

- Medium duty oil-resistant
- Air and water transfer

Markets:

- Construction
- Mining
- Paper industry
- Oil and gas exploration
- In-plant service

Type of couplings:

- Eaton “Z” series (-4 to -8)
- TTC series (-4 to -8)
- Boss
- Ground joint
- Air hammer
- Air king
- Eaton quick disconnect

Contact coupling manufacturer for attachment procedure and other coupling recommendations

# Part No.			 Hose I.D.			 Hose O.D.		 Max Operating Pressure		 Burst Pressure		 Weight		 Length	
	mtr	ft	DN	mm	in	mm	in	bar	psi	bar	psi	kg/m	lbs/ft	mtr	ft
H1981		600R	6	6,4	0.25	12,7	0.50	13,8	200	55,0	800	0,15	0.10	183	600
H198104RD-		600R	10	9,5	0.38	17,3	0.68	13,8	200	55,0	800	0,22	0.15	183	600
H198106RD-		600R	12	12,7	0.50	20,6	0.81	13,8	200	55,0	800	0,28	0.19	183	600
H198108RD-		600R	19	19,0	0.75	30,2	1.19	16,0	225	62,0	900	0,55	0.37	183	600

H1982

H198204RD-		600R	6	6,4	0.25	15,9	0.62	20,7	300	83,0	1200	0,19	0.13	183	600
H198206RD-**		600R	10	9,5	0.38	18,3	0.72	20,7	300	83,0	1200	0,27	0.18	183	600
H198208RD-**		600R	12	12,7	0.50	25,4	1.00	20,7	300	83,0	1200	0,34	0.23	183	600
H198210RD-**		600R	16	15,9	0.62	26,2	1.03	20,7	300	83,0	1200	0,37	0.25	183	600
H198212RD-**		600R	19	19,0	0.75	30,2	1.19	20,7	300	83,0	1200	0,55	0.37	183	600
H198216RD-**		400R	25	25,4	1.00	36,5	1.44	20,7	300	83,0	1200	0,96	0.64	183	600

*Additional packaging available ** Additional colors available

Air and multipurpose

General air and water

 Refer to warnings and safety information on pages N-1 – N-16.

Use of damaged hose or improper use may result in bodily injury or property damage. Please consult Eaton catalog or Technical Support for proper application.

H0105

BOSFLEX™ A/W



Construction:

Tube: EPDM

Reinforcement: 4-fiber spiral, -20 & -24 2-fiber braid

Cover: EPDM

Operating temperature:

-40°C to +82°C
(-40°F to +180°F)

Application:

- Air and water transfer
- Spraying and conveying water based liquid fertilizers and pesticides

Markets:

- Construction
- Mining
- Rental industry
- Oil and gas exploration
- In-plant air service
- Agriculture
- Assembly/manufacturers
- Paper/pulp
- Ship building

Type of couplings:

- TTC series (-6 to -20)
- Barbed inserts
- Quick disconnect
- Eaton quick disconnect

Contact coupling manufacturer for attachment procedure and other coupling recommendations

# Part No.			 Hose I.D.			 Hose O.D.		 Max Operating Pressure		 Burst Pressure		 Weight		 Length	
	mtr	ft	DN	mm	in	mm	in	bar	psi	bar	psi	kg/m	lbs/ft	mtr	ft
H010504RD		50	6	6,4	0.25	15,6	0.62	20,7	300	83,0	1200	0,16	0.14		50
H010504RD-		600R	6	6,4	0.25	15,6	0.62	20,7	300	83,0	1200	0,16	0.14		600
H010506RD		50	10	9,5	0.38	18,0	0.71	20,7	300	83,0	1200	0,27	0.18		50
H010506RD-		600R	10	9,5	0.38	18,0	0.71	20,7	300	83,0	1200	0,27	0.18		600
H010508RD		50	12	12,7	0.50	22,1	0.87	20,7	300	83,0	1200	0,34	0.23		50
H010508RD-		600R	12	12,7	0.50	22,1	0.87	20,7	300	83,0	1200	0,34	0.23		600
H010510RD-		600R	16	15,9	0.62	25,3	1.00	20,7	300	83,0	1200	0,45	0.30		600
H010512RD *		50	19	19,0	0.75	29,1	1.15	15,5	225	62,0	900	0,55	0.37		50
H010512RD-*		600R	19	19,0	0.75	29,1	1.15	15,5	225	62,0	900	0,55	0.37		600
H010516RD *		50	25	25,4	1.00	34,7	1.37	13,8	200	55,0	800	0,89	0.60		50
H010516RD-*		600R	25	25,4	1.00	34,7	1.37	13,8	200	55,0	800	0,89	0.60		600
H010520BK-		300R	31	31,8	1.25	44,5	1.75	13,8	200	55,0	800	0,97	0.65		300
H010524BK-		300R	38	38,1	1.50	50,8	2.00	13,8	200	55,0	800	1,22	0.82		300

*Product also available in BK-Black

Air and multipurpose

General air and water

 Refer to warnings and safety information on pages N-1 – N-16.

Use of damaged hose or improper use may result in bodily injury or property damage. Please consult Eaton catalog or Technical Support for proper application.

H0106

BOSFLEX™ A/W



Construction:

Tube: EPDM

Reinforcement: 2-spiral fiber

Cover: EPDM

Operating temperature:

-40°C to +82°C
(-40°F to +180°F)

Application:

- Air and water transfer
- Spraying and conveying water-based liquid fertilizers and pesticides

Markets:

- Construction
- Mining
- Rental industry
- Oil and gas exploration
- In-plant air service
- Agriculture
- Assembly/manufacturers
- Paper/pulp
- Ship building

Type of couplings:

- Eaton "Z" series (-4 to -10)
- TTC series (-4 to -10)
- Barbed inserts
- Quick disconnect
- Eaton quick disconnect

Contact coupling manufacturer for attachment procedure and other coupling recommendations

# Part No.			 Hose I.D.			 Hose O.D.		 Max Operating Pressure		 Burst Pressure		 Weight		 Length	
	mtr	ft	DN	mm	in	mm	in	bar	psi	bar	psi	kg/m	lbs/ft	mtr	ft
H010604BK-		600R	6	6,4	0.25	12,4	0.49	13,8	200	55,0	800	0,15	0.10		600
H010604RD		50	6	6,4	0.25	12,4	0.49	13,8	200	55,0	800	0,15	0.10		50
H010604RD-		600R	6	6,4	0.25	12,4	0.49	13,8	200	5,05	800	0,15	0.10		600
H010606BK-		600R	10	9,5	0.38	17,2	0.68	13,8	200	55,0	800	0,22	0.15		600
H010606RD		50	10	9,5	0.38	17,2	0.68	13,8	200	55,0	800	0,22	0.15		50
H010606RD-		600R	10	9,5	0.38	17,2	0.68	13,8	200	55,0	800	0,22	0.15		600
H010608BK-		600R	12	12,7	0.50	20,6	0.81	13,8	200	55,0	800	0,28	0.19		600
H010608RD		50	12	12,7	0.50	20,6	0.81	13,8	200	55,0	800	0,28	0.19		50
H010608RD-		600R	12	12,7	0.50	20,6	0.81	13,8	200	55,0	800	0,28	0.19		600
H010610BK-		600R	16	15,9	0.62	23,6	0.93	13,8	200	55,0	800	0,42	0.28		600
H010612RD-		600R	19	19,0	0.75	29,1	1.15	20,7	300	83,0	1200	0,60	0.40		600

Air and multipurpose

General air and water

 Refer to warnings and safety information on pages N-1 – N-16.

Use of damaged hose or improper use may result in bodily injury or property damage. Please consult Eaton catalog or Technical Support for proper application.

EHW520

Non-conductive* multipurpose



Construction:

Tube: Synthetic rubber

Reinforcement: One textile spiral reinforcement

Cover: Synthetic rubber

Operating temperature:

-40°C to +80°C
(-40°F to +176°F)

Application:

- For use with air and water
- Pneumatic tools
- For use in industrial welding with acetylene, oxygen and LPG

Markets:

- Construction
- Mining
- In-plant air service
- Oil and gas exploration

Type of couplings:

- Eaton quick disconnect

Always consult coupling manufacturer for specifications, assembly instructions, attachment procedure and other coupling recommendations.

* Tested in accordance with ISO 8031. Non-conductive under 500V electric tension

# Part No.	Hose I.D.		Hose O.D.		Max Operating Pressure		Burst Pressure		Weight		Length		
	DN	mm	in	mm	in	bar	psi	bar	psi	kg/m	lbs/ft	mtr	ft
EHW520-04	6	6,0	0.24	12,3	0.43	20,7	300	60	870	0,13	0.09	100	300
EHW520-06	10	10,0	0.39	17,3	0.68	20,7	300	60	870	0,22	0.15	100	300
EHW520-08	13	13,0	0.51	21,3	0.84	20,7	300	60	870	0,32	0.22	100	300
EHW520-10	16	16,0	0.63	24,3	0.96	20,7	300	60	870	0,38	0.26	100	300
EHW520-12	19	19,0	0.75	27,3	1.07	20,7	300	60	870	0,43	0.29	100	300
EHW520-16	25	25,0	0.98	35,5	1.40	20,7	300	60	870	0,70	0.47	100	300

* Tested in accordance with ISO 8031. Non-conductive under 500V electric tension

Air and multipurpose

General air and water

 Refer to warnings and safety information on pages N-1 – N-16.

Use of damaged hose or improper use may result in bodily injury or property damage. Please consult Eaton catalog or Technical Support for proper application.

EHA901

Multipurpose



Construction:

Tube: Synthetic rubber

Reinforcement: High-tensile synthetic textile

Cover: Synthetic rubber

Operating temperature:

-40°C to +70°C
(-40°F to +158°F)

Application:

- For transfer of air, water and nitrogen

Markets:

- Oil and gas exploration
- Construction
- Tank truck

Type of couplings:

- Swaged or crimp male couplings

Always consult coupling manufacturer for specifications, assembly instructions, attachment procedure and other coupling recommendations.

# Part No.	Hose I.D.			Hose O.D.		Max Operating Pressure		Burst Pressure		Minimum Bend Radius		Weight		Length	
	DN	mm	in	mm	in	bar	psi	bar	psi	mm	in	kg/m	lbs/ft	mtr	ft
EHA901-12RD	19	19,0	0.75	29,0	1.14	20,7	300	62,0	900	95	3.74	0,5	0.34	40-61	100
EHA901-16RD	25	25,4	1.00	36,0	1.42	20,7	300	62,0	900	125	4.92	0,67	0.45	40-61	100
EHA901-32RD	51	50,8	2.00	65,0	2.56	20,7	300	62,0	900	450	17.72	1,66	1.12	40-61	100

Product also available in BU-Blue and GN-Green.

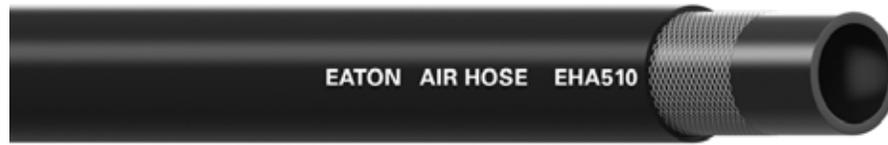
Air and multipurpose

General air and water

Refer to warnings and safety information on pages N-1 – N-16.

Use of damaged hose or improper use may result in bodily injury or property damage. Please consult Eaton catalog or Technical Support for proper application.

EHA509 & EHA510 Multipurpose - EPDM



Construction:

Tube: EPDM rubber

Reinforcement:

High-tensile synthetic textile

Cover: EPDM rubber

Application:

- For use with air or water

Markets:

- Construction
- Mining
- Rental industry
- Oil and gas exploration
- In-plant air service

Type of couplings:

- Hansen® quick connect
- Male barbed inserts

Contact coupling manufacturer for attachment procedure and other coupling recommendations

Operating temperature:

-40°C to +122°C
(-40°F to +248°F)

# Part No.			 Hose I.D.			 Hose O.D.		 Max Operating Pressure		 Burst Pressure		 Weight		 Length	
	mtr	ft	DN	mm	in	mm	in	bar	psi	bar	psi	kg/m	lbs/ft	mtr	ft
EHA509															
EHA509-04-	M100	300	6	6,4	0.25	11	0.43	10,5	150	31	450	0,03	0.02	100	300
EHA509-05-	M100	300	8	7,9	0.31	14	0.55	10,5	150	31	450	0,05	0.03	100	300
EHA509-06-	M100	300	10	9,7	0.38	16	0.63	10,5	150	31	450	0,07	0.04	100	300
EHA509-08-	M100	300	12	12,7	0.50	20	0.79	10,5	150	31	450	0,08	0.05	100	300
EHA509-10-	M100	300	16	15,9	0.62	23	0.91	10,5	150	31	450	0,10	0.07	100	300
EHA509-12-	M100	300	19	19,0	0.75	27	1.06	10,5	150	31	450	0,12	0.08	100	300
EHA509-16-	M100	300	25	25,4	1.00	34	1.34	10,5	150	31	450	0,15	0.10	100	300

EHA510

EHA510-04-	M100	300	6	6,4	0.25	13	0.52	20,7	300	62	900	0,13	0.09	100	300
EHA510-05-	M100	300	8	7,9	0.31	15	0.59	20,7	300	62	900	0,15	0.10	100	300
EHA510-06-	M100	300	10	9,7	0.38	18	0.71	20,7	300	62	900	0,21	0.14	100	300
EHA510-08-	M100	300	12	12,7	0.50	22	0.87	20,7	300	62	900	0,30	0.20	100	300
EHA510-10-	M100	300	16	15,9	0.62	25	0.98	20,7	300	62	900	0,35	0.24	100	300
EHA510-12-	M100	300	19	19,0	0.75	29	1.14	20,7	300	62	900	0,45	0.30	100	300
EHA510-16-	M100	300	25	25,4	1.00	37	1.46	20,7	300	62	900	0,69	0.46	100	300

*Product sold in bales with maximum three cut lengths in each bale.

EHW028

Heavy duty MSHA mine spray



Construction:

Tube: Oil-mist resistant NBR rubber

Reinforcement: High-tensile steel wire

Cover: MSHA pin-pricked neoprene

Operating temperature:

-35°C to +100°C
(-31°F to +212°F)

Application:

- High pressure air in mines

Markets:

- Mining
- Construction
- Equipment rental

Type of couplings:

- Male NPT
- Hansen® quick connect

Contact coupling manufacturer for attachment procedure and other coupling recommendations

# Part No.			 Hose I.D.			 Hose O.D.		 Max Oper Pressure		 Burst Pressure		 Minimum Bend Radius		 Weight		 Length	
	mtr	ft	DN	mm	in	mm	in	bar	psi	bar	psi	mm	in	kg/m	lbs/ft	mtr	ft
EHW028-08-	MXX	100	12	12,7	0.50	24,4	0.94	70,0	1000	20,7	3000	150	5.91	0,60	0.40	40-61	50, 100
EHW028-12-	MXX	100	19	19,0	0.75	28,0	1.10	70,0	1000	20,7	3000	203	9.06	0,61	0.41	40-61	50, 100
EHW028-16-	MXX	100	25	25,4	1.00	34,3	1.35	70,0	1000	20,7	3000	305	12.01	0,82	0.55	40-61	50, 100
EHW028-20-	MXX	100	31	31,8	1.25	41,4	1.63	70,0	1000	20,7	3000	385	15.16	1,10	0.74	40-61	50, 100
EHW028-24-	MXX	100	38	38,1	1.50	48,0	1.89	70,0	1000	20,7	3000	455	17.91	1,41	0.95	40-61	50, 100
EHW028-32-	MXX	100	51	50,8	2.00	62,0	2,44	70,0	1000	20,7	3000	610	24.02	2,19	1.47	40-61	50, 100
EHW028-40-	MXX	100	60	63,5	2.50	82,0	3,23	70,0	1000	20,7	3000	765	30.12	3,93	2.64	40-61	50, 100

Air and multipurpose

Specialty

Refer to warnings and safety information on pages N-1 – N-16.

Use of damaged hose or improper use may result in bodily injury or property damage. Please consult Eaton catalog or Technical Support for proper application.

EHA511

Air and dust suction



Construction:

Tube: Natural and synthetic rubber

Reinforcement: Synthetic textile and steel helical wire

Cover: Corrugated synthetic rubber

Application:

- For suction and discharge of air, dust, grain, powder, etc.

Markets:

- Construction
- In-plant service

Operating temperature:

-40°C to +70°C
(-40°F to +158°F)

#															
	Part No.		Hose I.D.			Hose O.D.		Minimum Bend Radius		Vacuum		Weight		Length	
	mtr	ft	DN	mm	in	mm	in	mm	in	kPa	in/Hg	kg/m	lbs/ft	mtr	ft
EHA511-16-	MXX	100	25	25,4	1.00	32,0	2.21	40	2.76	61	18	0,42	0.28	1-46	100
EHA511-20-	MXX	100	31	32,0	1.25	39,0	2.69	60	4.14	61	18	0,62	0.42	1-46	100
EHA511-24-	MXX	100	38	38,1	1.50	45,0	3.10	75	5.17	61	18	0,72	0.48	1-46	100
EHA511-28-	MXX	100	45	44,5	1.75	52,0	3.59	90	6.21	61	18	0,81	0.54	1-46	100
EHA511-32-	MXX	100	51	50,8	2.00	58,0	4.00	100	6.89	61	18	0,91	0.61	1-46	100
EHA511-40-	MXX	100	60	63,5	2.50	72,0	4.96	125	8.62	61	18	1,41	0.95	1-46	100
EHA511-48-	MXX	100	80	76,2	3.00	84,5	5.83	150	10.34	61	18	1,69	1.14	1-46	100
EHA511-64-	MXX	100	102	101,6	4.00	110,0	7.58	200	13.79	61	18	2,34	1.57	1-46	100
EHA511-80-	MXX	100	130	127,0	5.00	135,0	9.31	295	20.34	61	18	3,18	2.14	1-46	100
EHA511-96-	MXX	100	150	152,4	6.00	162,0	11.17	380	26.20	61	18	4,17	2.80	1-46	100
EHA511-128-	MXX	20	200	203,2	8.00	214,0	14.75	700	48.26	61	18	6,28	4.22	20	20
EHA511-160-	MXX	20	250	254,0	10.00	267,0	18.41	1000	68.95	61	18	8,80	5.92	20	20
EHA511-192-	MXX	20	305	304,8	12.00	319,0	21.99	1400	96.53	61	18	10,43	7.01	10	20

Cement, plaster and grout

Cement and concrete

- EHK007 MAURAUDETM Heavy duty concrete pumping C-4
- EHK007 Concrete pumping couplings C-5
- EHK006 MAURAUDETM Concrete pumping C-6
- EHK005 Plaster and grout spraying C-7

Dry bulk

- EHK002 Dry Bulk suction & discharge C-8
- EHK016 Dry Bulk discharge C-9



Cement, plaster and grout

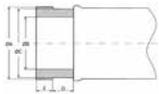
Cement and concrete

EHK007 MAURAUDE™ Heavy Duty concrete pumping



Application: High-pressure concrete pumping
Tube: Abrasion resistant synthetic rubber
Reinforcement: High-tensile steel cords
Cover: Pin-pricked synthetic rubber
Temp: -40°C to +70°C, (-40°F to +158°F)
Pressure: 85 bar / 1230 psi

EHK007 Concrete pumping couplings



EHK006 MAURAUDE™ Concrete pumping



Application: High-pressure spraying plaster, grout, sand, gypsum, and ready-mixed concrete
Tube: Abrasion resistant synthetic rubber
Reinforcement: High-tensile synthetic textile and anti-static copper wire
Cover: Pin-pricked synthetic rubber
Temp: -40°C to +70°C, (-40°F to +158°F)
Pressure: 85 bar / 1230 psi

EHK005 Plaster and grout spraying



Application: High-pressure spraying plaster, grout, sand, gypsum, and ready-mixed concrete
Tube: Abrasion resistant synthetic rubber
Reinforcement: High-tensile synthetic textile and anti-static copper wire
Cover: Pin-pricked synthetic rubber
Temp: -40°C to +70°C, (-40°F to +158°F)
Pressure: 41 bar / 600 psi

Dry bulk

EHK002 Dry Bulk suction & discharge



Application: Suction and discharge of dry bulk materials, sand, gravel and dry cement
Tube: Abrasion resistant synthetic rubber
Reinforcement: High-tensile synthetic textile with helical wire and anti-static copper wire
Cover: Pin-pricked synthetic rubber
Temp: -40°C to +70°C, (-40°F to +158°F)
Pressure: 10,5 bar / 150 psi

EHK016 Dry Bulk discharge



Application: Suction and discharge of dry bulk materials, sand, gravel and dry cement
Tube: Abrasion resistant synthetic rubber
Reinforcement: High-tensile synthetic textile with anti-static copper wire
Cover: Pin-pricked synthetic rubber
Temp: -40°C to +70°C, (-40°F to +158°F)
Pressure: 10,5 bar / 150 psi

Cement, plaster and grout

Introduction and Safety information



Environmental resistance

- The tube and cover materials of the Eaton industrial hose are designed to assure maximum life and top value. They are sophisticated hoses for demanding jobs.

Built to make work faster, easier and safer

- Moving and connecting hose several times a day isn't easy work. Each of the industrial hose is designed to be as easy to handle as safety and job performance will allow.

Honest value

- There is only one way to make hose cost less — build it cheaper. You won't find compromises in the industrial hose. That's why we put the Eaton brand name on them.

Job related construction service

- Eaton makes a variety of hose styles for material handling applications. Each product is manufactured utilizing the components and construction which make it best suited for the job to be performed.

Cement, plaster and grout hose - Safety information

Important!

⚠ WARNING: Testing can be dangerous and should be done only by trained personnel using proper tools and procedures. Failure to follow such procedures might result in serious injury, death, or damage to property.

⚠ WARNING: Failure to properly follow the manufacturer's recommended procedures for the care, maintenance, and storage of a particular hose may result in its failure to perform in the manner intended and may result in serious injury, death, or damage to property.

⚠ WARNING: Consult with the Coupling Manufacturer to make sure you choose the correct coupling and proper assembly for the application. Such matching of hose and couplings, and assembling of couplings, should be performed only by trained personnel using proper tools and procedures. Failure to follow manufacturer's instructions or failure to use trained personnel may result in serious bodily injury and/or property damage.

⚠ WARNING: Never use a hose to transfer material it is not specifically meant to transfer. Doing so could deteriorate the hose and result in leaking, hose bursting, or end blow-offs. This could lead to serious personal injury or death. Always transfer material in a hose that is designed specifically to transfer that material. This information is listed in this catalog.

⚠ WARNING: Consider both working pressure and pressure surges when determining "maximum" pressure. Failure to select a hose that meets both these requirements could lead to end blowoffs, hose leakage, and hose bursting. The result could be serious injury or death. The Eaton hose you choose must meet or exceed the required working pressure, and must have a safety factor to allow for surge pressure.

⚠ WARNING: Do not use hose at temperatures that exceed the hose temperature rating. Doing so could deteriorate the hose, leading to leaks, hose bursting, and end blow-offs. This could result in serious personal injury, or death.

Cement, plaster and grout

Cement and concrete

 Refer to warnings and safety information on pages N-1 – N-16.

Use of damaged hose or improper use may result in bodily injury or property damage. Please consult Eaton catalog or Technical Support for proper application.

EHK007

MARAUDER™ Heavy Duty concrete pumping



Construction:

Tube: Abrasion resistant synthetic rubber

Reinforcement: High-tensile steel cords

Cover: Pin-pricked synthetic rubber

Operating temperature:

-40°C to +70°C
(-40°F to +158°F)

Application:

- High-pressure concrete pumping

Markets:

- Construction
- Cement placement

Type of couplings:

- Victaulic male NPT

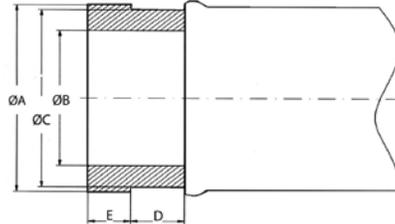
Contact coupling manufacturer for attachment procedure and other coupling recommendations

# Part No.			 Hose I.D.			 Hose O.D.		 Max Oper Pressure		 Burst Pressure		 Minimum Bend Radius		 Weight		 Length	
			mtr	ft	DN	mm	in	mm	in	bar	psi	bar	psi	mm	in	kg/m	lbs/ft
EHK007-32-	MXX	100	51	50,8	2.00	70,0	2.76	85	1230	200	2900	275	10.83	3,03	2.04	40-61	100
EHK007-40-	MXX	100	60	63,5	2.50	88,0	3.46	85	1230	200	2900	300	11.81	4,48	3.01	40-61	100
EHK007-48-	MXX	100	80	76,2	3.00	102,0	4.02	85	1230	200	2900	350	13.78	5,46	3.67	40-61	100
EHK007-64-	MXX	100	102	101,6	4.00	130,0	5.12	85	1230	200	2900	400	15.75	8,46	5.69	40-61	100
EHK007-80-	MXX	100	130	127,0	5.00	155,0	6.10	85	1230	200	2900	500	19.69	9,63	6.47	40-61	100
EHK007-96-	MXX	100	150	152,4	6.00	180,0	7.09	85	1230	140	2030	650	25.59	10,99	7.39	40-61	100

* Abrasion loss value acc. DIN53516 ≤60mm³

EHK007 Coupling

Concrete pumping couplings



	2-1/2 in		3 in		4 in		4-1/2 in		5 in		5-1/2 in		6 in	
	mm	in	mm	in	mm	in	mm	in	mm	in	mm	in	mm	in
Ø A	89,0	3.50	90,0	3.54	114,3	4.50	127,5	5.02	142,0	5.59	148,0	5.83	175,0	6.89
Ø B	64,4	2.54	77,0	3.03	98,0	3.86	98,0	3.86	124,0	4.88	124,0	4.88	147,0	5.79
Ø C	84,0	3.31	64,5	2.54	108,0	4.25	114,0	4.49	133,0	5.24	139,0	5.47	102,0	4.02
D	20,0	0.79	18,0	0.71	18,0	0.71	18,0	0.71	18,0	0.71	18,0	0.71	18,0	0.71
E	16,0	0.63	16,5	0.65	17,0	0.67	17,0	0.67	17,0	0.67	17,0	0.67	17,0	0.67

Cement, plaster and grout

Cement and concrete

 Refer to warnings and safety information on pages N-1 – N-16.

Use of damaged hose or improper use may result in bodily injury or property damage. Please consult Eaton catalog or Technical Support for proper application.

EHK006

MARAUDER™ concrete pumping



Construction:

Tube: Abrasion resistant synthetic rubber

Reinforcement: High-tensile synthetic textile and anti-static copper wire

Cover: Pin-pricked, abrasion, ozone, and weather resistant synthetic rubber

Operating temperature:

-40°C to +70°C
(-40°F to +158°F)

Application:

- For high-pressure spraying plaster, grout, sand, gypsum, and ready mixed concrete

Markets:

- Construction
- Cement
- Swimming pool

Type of couplings:

- Victaulic male NPT

Contact coupling manufacturer for attachment procedure and other coupling recommendations

# Part No.			Hose I.D.			Hose O.D.		Max Operating Pressure		Burst Pressure		Weight		Length	
	mtr	ft	DN	mm	in	mm	in	bar	psi	bar	psi	kg/m	lbs/ft	mtr	ft
EHK006-16-	MXX	100	25	25,4	1.00	43,0	1.69	85	1230	178	2580	1,08	0.72	40-61	100
EHK006-20-	MXX	100	31	31,8	1.25	48,0	1.89	85	1230	178	2580	1,15	0.77	40-61	100
EHK006-24-	MXX	100	38	38,1	1.50	56,0	2.20	85	1230	178	2580	1,59	1.07	40-61	100
EHK006-32-	MXX	100	51	50,8	2.00	70,0	2.76	85	1230	178	2580	2,13	1.43	40-61	100
EHK006-40-	MXX	100	60	63,5	2.50	84,0	3.31	85	1230	178	2580	2,58	1.73	40-61	100
EHK006-48-	MXX	100	80	76,2	3.00	102,0	4.02	85	1230	178	2580	4,05	2.72	40-61	100
EHK006-56-	MXX	100	90	88,9	3.50	118,0	4.65	85	1230	178	2580	5,22	3.51	40-61	100
EHK006-64	MXX	100	102	101,6	4.00	130,0	5.12	85	1230	178	2580	5,90	3.96	40-61	100
EHK006-80-	MXX	100	130	127,0	5.00	155,0	6.10	85	1230	178	2580	6,93	4.66	40-61	100

* Abrasion loss value acc. DIN53516 ≤60mm³

Cement, plaster and grout

Cement and concrete

 Refer to warnings and safety information on pages N-1 – N-16.

Use of damaged hose or improper use may result in bodily injury or property damage. Please consult Eaton catalog or Technical Support for proper application.

EHK005

Plaster and grout spraying



Construction:

Tube: Abrasion resistant synthetic rubber

Reinforcement: High-tensile synthetic textile and anti-static copper wire

Cover: Pin-pricked, abrasion, ozone, and weather resistant synthetic rubber

Operating temperature:

-40°C to +70°C
(-40°F to +158°F)

Application:

- For high-pressure spraying plaster, grout, sand, gypsum, and ready mixed concrete

Markets:

- Construction
- Cement
- Swimming pool

Type of couplings:

- Victaulic male NPT

Contact coupling manufacturer for attachment procedure and other coupling recommendations

# Part No.			 Hose I.D.			 Hose O.D.		 Max Operating Pressure		 Burst Pressure		 Weight		 Length	
	mtr	ft	DN	mm	in	mm	in	bar	psi	bar	psi	kg/m	lbs/ft	mtr	ft
EHK005-12BK-	MXX	100	19	19,0	0.75	31,0	1.22	41,0	600	125	1800	0,54	0.36	40-61	100
EHK005-16BK-	MXX	100	25	25,4	1.00	37,0	1.46	41,0	600	125	1800	0,65	0.44	40-61	100
EHK005-16ABK-	MXX	100	25	25,4	1.00	38,0	1.50	41,0	600	125	1800	0,75	0.50	40-61	100
EHK005-19BK-	MXX	100		30,0	1.18	44,0	1.73	41,0	600	125	1800	0,95	0.64	40-61	100
EHK005-20BK-	MXX	100	31	31,8	1.25	46,0	1.81	41,0	600	125	1800	1,03	0.69	40-61	100
EHK005-22BK-	MXX	100		35,0	1.38	49,0	1.93	41,0	600	125	1800	1,10	0.74	40-61	100
EHK005-24BK-	MXX	100	38	38,1	1.50	54,0	2.13	41,0	600	125	1800	1,43	0.96	40-61	100
EHK005-28BK-	MXX	100	45	44,5	1.75	61,0	2.40	41,0	600	125	1800	1,63	1.10	40-61	100
EHK005-32BK-	MXX	100	51	50,8	2.00	68,0	2.68	41,0	600	125	1800	1,96	1.32	40-61	100
EHK005-38BK-	MXX	100		60,0	2.36	80,0	3.15	41,0	600	125	1800	2,72	1.83	40-61	100
EHK005-40BK-	MXX	100	60	63,5	2.50	83,5	3.29	41,0	600	125	1800	2,86	1.92	40-61	100
EHK005-42BK-	MXX	100	65	65,0	2.56	85,0	3.35	41,0	600	125	1800	2,88	1.94	40-61	100
EHK005-44BK-	MXX	100	70	70,0	2.76	90,0	3.54	41,0	600	125	1800	2,93	1.97	40-61	100
EHK005-48BK-	MXX	100	80	76,2	3.00	96,2	3.79	41,0	600	125	1800	3,14	2.11	40-61	100
EHK005-64BK-	MXX	100	102	101,6	4.00	122,0	4.80	41,0	600	125	1800	4,14	2.78	40-61	100
EHK005-80BK-	MXX	100	130	127,0	5.00	155,0	6.10	41,0	600	125	1800	6,85	4.60	40-61	100

* Product available in GY-gray and YW-yellow.

* Abrasion loss value acc. DIN53516 ≤60mm³

Cement, plaster and grout

Dry Bulk

 Refer to warnings and safety information on pages N-1 – N-16.

Use of damaged hose or improper use may result in bodily injury or property damage. Please consult Eaton catalog or Technical Support for proper application.

EHK002

Dry Bulk suction & discharge



Construction:

Tube: Abrasion resistant synthetic rubber

Reinforcement: High-tensile synthetic textile with helical wire and anti-static copper wire

Cover: Pin-pricked, abrasion, ozone, and weather resistant synthetic rubber

Operating temperature:

-40°C to +70°C
(-40°F to +158°F)

Application:

- For suction and discharge of dry bulk materials, sand, gravel and dry cement

Markets:

- Construction
- Cement
- Swimming pool

Type of couplings:

- Cam and groove
- Combination nipple

Contact coupling manufacturer for attachment procedure and other coupling recommendations

# Part No.																			
	mtr	ft	DN	mm	in	mm	in	bar	psi	bar	psi	mm	in	kPa	in/Hg	kg/m	lbs/ft	mtr	ft
EHK002-16-	MXX	100	25	25,4	1.00	39,0	1.54	10,5	150	31	450	125	4.92	94,8	28	0,88	0.59	40-61	100
EHK002-20-	MXX	100	31	31,8	1.25	45,0	1.77	10,5	150	31	450	160	6.30	94,8	28	1,05	0.71	40-61	100
EHK002-24-	MXX	100	38	38,1	1.50	52,0	2.05	10,5	150	31	450	190	7.48	94,8	28	1,40	0.94	40-61	100
EHK002-32-	MXX	100	51	50,8	2.00	66,0	2.60	10,5	150	31	450	250	9.84	94,8	28	1,98	1.33	40-61	100
EHK002-40-	MXX	100	60	63,5	2.50	78,5	3.09	10,5	150	31	450	315	12.40	94,8	28	2,31	1.55	40-61	100
EHK002-48-	MXX	100	80	76,2	3.00	92,0	3.62	10,5	150	31	450	380	14.96	94,8	28	3,11	2.09	40-61	100
EHK002-56-	MXX	100	90	88,9	3.50	107,0	4.21	10,5	150	31	450	450	17.72	94,8	28	3,76	2.53	40-61	100
EHK002-64-	MXX	100	102	101,6	4.00	120,0	4.72	10,5	150	31	450	550	21.65	94,8	28	4,55	3.06	40-61	100
EHK002-80-	MXX	100	130	127,0	5.00	149,0	5.87	10,5	150	31	450	700	27.56	94,8	28	6,70	4.50	40-61	100
EHK002-96-	MXX	100	150	152,4	6.00	174,5	6.87	10,5	150	31	450	850	33.46	94,8	28	8,81	5.92	40-61	100
EHK002-128-	M20	20	200	203,2	8.00	229,0	9.02	10,5	150	31	450	1200	47.24	80,0	24	13,69	9.20	20	20
EHK002-160-	M20	20	250	254,0	10.00	281,0	11.06	10,5	150	31	450	1600	62.99	80,0	24	17,16	11.54	20	20

* Abrasion loss value acc. DIN53516 ≤60mm³
Channeled and corrugated cover versions available on request

Cement, plaster and grout

Dry Bulk

 Refer to warnings and safety information on pages N-1 – N-16.

Use of damaged hose or improper use may result in bodily injury or property damage. Please consult Eaton catalog or Technical Support for proper application.

EHK016

Dry Bulk discharge



Construction:

Tube: Abrasion resistant synthetic rubber

Reinforcement: High-tensile synthetic textile with anti-static copper wire

Cover: Pin-pricked, abrasion, ozone, and weather resistant synthetic rubber

Operating temperature:

-40°C to +70°C
(-40°F to +158°F)

Application:

- For suction and discharge of dry bulk materials, sand, gravel and dry cement

Markets:

- Construction
- Cement
- Swimming pool

Type of couplings:

- Cam and groove
- Combination nipple

Contact coupling manufacturer for attachment procedure and other coupling recommendations

# Part No.															
			DN	mm	in	mm	in	bar	psi	bar	psi	kg/m	lbs/ft	mtr	ft
EHK016-16-	MXX	100	25	25,4	1.00	37,0	1.46	10,5	150	31,0	450	0,62	0.42	40-61	100
EHK016-20-	MXX	100	31	31,8	1.25	44,0	1.73	10,5	150	31,0	450	0,82	0.55	40-61	100
EHK016-24-	MXX	100	38	38,1	1.50	50,0	1.97	10,5	150	31,0	450	0,95	0.64	40-61	100
EHK016-28-	MXX	100	45	44,5	1.75	58,0	2.28	10,5	150	31,0	450	1,27	0.85	40-61	100
EHK016-32-	MXX	100	51	50,8	2.00	64,5	2.54	10,5	150	31,0	450	1,42	0.95	40-61	100
EHK016-40-	MXX	100	60	63,5	2.50	77,0	3.03	10,5	150	31,0	450	1,73	1.16	40-61	100
EHK016-48-	MXX	100	80	76,2	3.00	90,0	3.54	10,5	150	31,0	450	2,09	1.41	40-61	100
EHK016-56-	MXX	100	90	88,9	3.50	104,0	4.09	10,5	150	31,0	450	2,56	1.72	40-61	100
EHK016-64-	MXX	100	102	101,6	4.00	118,0	4.65	10,5	150	31,0	450	3,25	2.18	40-61	100
EHK016-80-	MXX	100	130	127,0	5.00	146,0	5.75	10,5	150	31,0	450	4,84	3.25	40-61	100
EHK016-96-	MXX	100	150	152,4	6.00	172,0	6.77	10,5	150	31,0	450	6,00	4.03	40-61	100
EHK016-128-	MXX	20	200	203,2	8.00	225,0	8.86	10,5	150	31,0	450	8,71	5.86	20-40	20
EHK016-160-	M20	20	250	254,0	10.00	276,0	10.87	10,5	150	31,0	450	11,40	7.66	20	20

* Abrasion loss value acc. DIN53516 ≤60mm³

Chemical

Suction and discharge

H0554 ARMORCAT™ Petrochemical	D-5
H0599 CHEMCAT™ Corrugated Petrochemical	D-6
H0523 CHEMCAT™ Petrochemical	D-7
EHC006 Heavy Duty UHMW-PE S & D	D-8
EHC004 UHMW-PE S & D	D-9
EHC003 Heavy Duty Chemical S & D	D-10
EHC034 Corrugated XLPE S & D	D-11
EHC011 Heavy Duty EPDM S & D	D-12
H0345 TIGER™ Chemical S & D	D-13

Discharge

EHC017 Heavy Duty UHMW-PE Discharge	D-14
EHC016 UHMW-PE Discharge	D-15
H9699 ALLEYCAT™ Hot Liquid	D-16

Specialty

H1941 & H1942 NYALL™	D-17
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Chemical

Suction and discharge

H0554 ARMORCAT™ Petrochemical



Application: Transfer of acids, chemicals, solvents, and petroleum products; Loading and unloading, pumping, suction, or gravity flow discharge
Tube: UHMW-PE FDA-approved material **Reinforcement:** 2-wire braid, dual stainless steel static wire, and helical wire **Cover:** EPDM
Temp: -40°C to +121°C, (-40°F to +250°F) *Intermittent
Pressure: 35 bar / 500 psi

H0599 CHEMCAT™ Corrugated Petrochemical



Application: Transfer of acids, chemicals, solvents, and petroleum products; Loading and unloading, pumping, suction, or gravity flow discharge
Tube: UHMW-PE FDA-approved material **Reinforcement:** 2-ply fiber with dual helical wire **Cover:** Corrugated EPDM
Temp: -40°C to +121°C, (-40°F to +250°F) *Intermittent
Pressure: 12,1–20,7 bar / 175-300 psi

H0523 CHEMCAT™ Petrochemical



Application: Transfer of acids, chemicals, solvents, and petroleum products, and food transfer
Tube: UHMW-PE FDA-approved material **Reinforcement:** 2-ply fiber and dual helical wires **Cover:** EPDM
Temp: -40°C to +121°C, (-40°F to +250°F) *Intermittent
Pressure: 12,1-20,7 bar / 175-300 psi

EHC006 Heavy Duty UHMW-PE S & D



Application: Suction and discharge of chemicals and solvents
Tube: UHMW-PE
Reinforcement: High-tensile synthetic textile, steel helical wire and dual anti-static copper wires
Cover: EPDM rubber
Temp: -40°C to +80°C, (-40°F to +176°F)
Pressure: 16 bar / 230 psi

EHC004 UHMW-PE S & D



Application: Suction and discharge of chemicals, and solvents
Tube: UHMW-PE FDA-approved material **Reinforcement:** High-tensile synthetic textile, steel helical wire and anti-static copper wire
Cover: EPDM rubber
Temp: -40°C to +80°C, (-40°F to +176°F)
Pressure: 10,5 bar / 150 psi

EHC003 Heavy Duty Chemical S & D



Application: Suction and discharge of chemicals and solvents
Tube: PE blend **Reinforcement:** High-tensile synthetic textile, dual steel helical wire and dual anti-static copper wires
Cover: EPDM
Temp: -40°C to +80°C (-40°F to +176°F)
Pressure: 16 bar / 230 psi

EHC034 Corrugated XLPE Suction and discharge



Application: Suction and discharge of chemicals and solvents
Tube: Standard XLPE (Cross Linked Polyethylene)
Reinforcement: High-tensile synthetic textile with dual steel helical wire
Cover: Corrugated green EPDM
Temp: -40°C to +65°C, (-40°F to +150°F)
 Max.ambient temperature 121°C (250°F)
Pressure: 14 bar / 203 psi

EHC011 Heavy Duty EPDM S & D



Application: Suction and discharge of chemicals, and solvents
Tube: EPDM rubber
Reinforcement: High-tensile synthetic textile, dual steel helical wires and anti-static copper wire
Cover: EPDM rubber
Temp: -40°C to +80°C, (-40°F to +176°F)
Pressure: 16 bar / 230 psi

H0345 TIGER™ Chemical S & D



Application: Transfer of acids, chemicals, solvents, and petroleum products; loading and unloading, pumping, suction, or gravity flow discharge
Tube: EPDM **Reinforcement:** 2-ply fiber with helical wire
Cover: EPDM
Temp: -43°C to +82°C, (-45°F to +180°F)
Pressure: 10,5 bar / 150 psi

Discharge

EHC017 Heavy Duty UHMW-PE Discharge



Application: Discharge of chemicals, and solvents
Tube: UHMW-PE **Reinforcement:** High-tensile synthetic textile, and anti-static copper wire **Cover:** EPDM rubber
Temp: -40°C to +80°C, (-40°F to +176°F)
Pressure: 16 bar / 230 psi

EHC016 UHMW-PE Discharge



Application: Discharge of chemicals, and solvents
Tube: UHMW-PE **Reinforcement:** High-tensile synthetic textile and anti-static copper wire **Cover:** EPDM rubber
Temp: -40°C to +80°C, (-40°F to +176°F)
Pressure: 10,5 bar / 150 psi

H9699 ALLEYCAT™ Hot Liquid



Application: For inplant transfer of cleaning solutions
Tube: EPDM **Reinforcement:** 2-wire braid with anti-static wire
Cover: EPDM
Temp: -40°C to +149°C, (-40°F to +300°F)
Pressure: 41 bar / 600 psi

Specialty

H1941 & H1942 NYALL™



Application: Spray pesticides, fertilizers and paint
Tube: Nylon **Reinforcement:** 1- or 2-fiber braid
Cover: Neoprene or Vinyl Nitrile
Temp: -34°C to +71°C, (+30°F to +160°F)
Pressure: 35-52 bar / 500-750 psi



Remove the guesswork from selecting, buying and using critical application hose

- When you're handling easily contaminated or hazardous material it is critical to select the proper hose. The high visibility branding and color coding removes the guess work for hose selection.

Environmental resistance

- The tube and cover materials of Eaton Industrial hose products are designed to assure maximum hose life at a superior value to the customer. Specialty service Eaton hoses are sophisticated transfer products for demanding jobs. Exceptional aging, weathering and heat resistant properties keep the hose flexible and easy to use.

Variety and selection

- Eaton offers a variety of choices to meet all of your chemical needs. Whether you need a color coded system, flexibility, or wide chemical tolerances, Eaton can meet your needs.

Chemical Hose - Safety information

Important!

⚠ WARNING: A failure of chemical hose in service can result in serious injury, death, or damage to property.

All chemical hose manufacturers recommend specific hose constructions to handle various chemicals.

IF AFTER CAREFUL REVIEW OF THE CHEMICAL RESISTANCE CHART FOUND IN THIS CATALOG, YOU HAVE ANY QUESTIONS ABOUT PROPER SELECTION OF THE HOSE, DO NOT USE OR RECOMMEND THE HOSE WITHOUT FIRST CONSULTING EATON FOR TECHNICAL ASSISTANCE. IF YOU DO NOT HAVE A MOST RECENT COPY, CONTACT CUSTOMER SUPPORT AT 1-888-258-0222. FOR GLOBAL SUPPORT, CONTACT YOUR LOCAL EATON REPRESENTATIVE.

The chemical resistance chart lists the more commonly used materials, chemicals, solvents, oils, etc. The recommendations are based on room temperature and pressure conditions normally recommended for the particular type of hose being used. Where conditions beyond this can be met readily, they have been so indicated; where conditions are not normal and cannot be readily met, Eaton should always be consulted. The chart does not imply conformance to the Food & Drug Administration requirements or Federal or State Laws when handling food products. The list of chemicals is offered as a guide to the chemical resistance properties of the tube material of the hoses shown. It should be used as a guide only, as the degree of resistance of any elastomer with a particular fluid depends upon such variables

as temperature, concentration, pressure conditions, velocity of flow, duration of exposure, aeration, stability of the fluid, etc. Therefore, when in doubt, it is advisable not to use the hose and you should contact your Eaton representative for assistance. Do not use chemical hose at temperatures or pressures above those recommended by the manufacturer. All operators must be thoroughly trained in the care and use of this hose and must at all times wear protective clothing. A hose or system failure could cause the release of a poisonous, corrosive or flammable material.

⚠ WARNING: If cover blisters exist, be careful not to pop them. If the hose was damaged in such a way that material was allowed to leak between the cover and inner tube, the blisters may contain this material. If the material is hazardous and splatters when the blisters are popped, it could cause serious physical injury.

⚠ WARNING: Failure to properly follow the manufacturer's recommended procedures for the care, maintenance, and storage of a particular hose may result in its failure to perform in the manner intended and may result in serious injury, death, or damage to property.

⚠ WARNING: Testing can be dangerous and should be done only by trained personnel using proper tools and procedures. Failure to follow such procedures might result in serious injury, death, or damage to property.

Chemical

Introduction and Safety information

Chemical service hose maintenance, testing and inspection

Foreword

The object of the following procedures is to detect any weakness in a hose assembly before the weakness causes failure of a hose in service. While these testing and inspection procedures may be applied to any hose, the periodic testing and inspection procedures outlined herein are mandatory for all hoses.

Rules for proper selection, handling, use and storage of hose are to be carefully followed. It is imperative that hose, while in storage or in service, not be subjected to any form of abuse such as kinking, exposure to an environment involving extremes of temperature, corrosive or oxidizing fumes or liquids, oils and solvents, ozone, etc. The procedures outlined in the ARPM Hose Handbook, Chapter IX, Care, Maintenance and Storage of Hose should be followed carefully.

Scope

This procedure is intended as a guide for the inspection, maintenance, and testing of chemical hose. It covers hose containing carcass reinforcements of woven fiber fabric; fiber cords; fiber or wire braids; flat, oval or round wire helix; spiral wire or cable; or any combinations of these reinforcements. Chemical hose is available with various types of ends or, where specified, suitable metal fittings.

Handling

Crushing or kinking of the hose can cause severe damage to the reinforcement. Care should be exercised to prevent mishandling.

Do not drag the hose or lift large bore hose from the middle of its length with the ends hanging down. Limit the curvature of the hose to the bend radius recommended by the manufacturer and avoid sharp bends at the end fittings and at manifold connections.

Operation

Important: Personnel involved in an operation using chemical hose must use safety precautions such as wearing eye or face protection, rubber gloves, boots, and other types of protective clothing.

Pressures and temperatures are to be monitored to see that the hose is not exposed to conditions above specified limits. Exceeding specified limits could injure the hose and result in damage to property and serious bodily harm.

Never allow chemicals to drip on the exterior of a hose or allow hose to lay in a pool of chemicals since the hose cover may not have the chemical resistance of the tube. Should a corrosive material come in contact with the reinforcing material, early failure could result.

If kinking or crushing occurs, examine the hose carefully, and, if the outside diameter is reduced 5% to 20%, the hose must be immediately subjected to the Hydrostatic Pressure Test and Examination. If the reduction in diameter is more than 20%, retire the hose from service.

Care must be taken when different chemicals are conveyed in the same hose; the chemicals may react and shorten the service life of the hose. When it is impractical to disconnect the hose line after use, drain any remaining chemical from the hose.

Storage

Before placing chemical hose in storage, the hose must be completely drained and any potentially explosive vapors or corrosive residues flushed out.

⚠ WARNING: EXTREME CARE MUST BE TAKEN WHEN FLUSHING OUT A CHEMICAL HOSE WITH WATER; SOME CHEMICALS, SUCH AS CONCENTRATED ACIDS, MAY REACT WITH WATER AND CAUSE SPATTERING WHICH COULD RESULT IN SERIOUS INJURY TO EYES OR OTHER AREAS OF THE BODY.

When flushing a hose, disposal of the effluent must be made in such a manner that environmental problems are not created.

Chemical hose should be stored so that air can circulate through it. This procedure helps extend the life of the hose. Hose should be stored in a cool, dark, dry place at a temperature less than 100°F (38°C).

Frequency of Inspection and Pressure Testing When chemical hose is used in bulk transfer service, it shall be visually inspected daily and hydrostatically tested every 90 days. The details of the examination and testing are listed in this catalog. An inspection card and recording system should be adopted for chemical hose used in dock applications.

⚠ WARNING: Consult with the coupling manufacturer to make sure you choose the correct coupling and proper assembly for the application. Such matching of hose and couplings, and assembling of couplings, should be performed only by trained personnel using proper tools and procedures. Failure to follow manufacturer's instructions or failure to use trained personnel may result in serious bodily injury and/or property damage.

⚠ WARNING: Never use a hose to transfer material it is not specifically meant to transfer. Doing so could deteriorate the hose and result in leaking, hose bursting, or end blow-offs. This could lead to serious personal injury or death. Always transfer material in a hose that is designed specifically to transfer that material. This information is listed in this catalog.

⚠ WARNING: Kinks can cause hose to burst, leading to bodily harm.

This information taken from the ARPM, Hose Technical Information Sub Committee, IP-11-7 Chemical Hose, Copyright 1979, Revised 1987. (202) 682-1338

H0554

ARMORCAT™ Petrochemical



Construction:

Tube: UHMW-PE
FDA-approved material

Reinforcement: 2-wire braid, dual stainless steel anti-static wire, 3.00" and 4.00" helical wire

Cover: EPDM

Operating temperature:

-40°C to +121°C
(-40°F to +250°F)

WARNING: Intermittent

Application:

- For transfer of acids, chemicals, solvents, and petroleum products
- Loading and unloading, pumping, suction, or gravity flow discharge

Markets:

- Chemical petroleum industry
- In-plant transfers
- Tank truck
- Paper/pulp industry
- Bulk hauling
- Oil and gas exploration

Type of couplings:

- Cam and groove
- Combination nipple
- Male NPT
- TTC Series(-12 to -32)

Contact coupling manufacturer for other coupling recommendations including proper metal selection (stainless, aluminium, brass etc.) and attachment procedure with crimp specifications.

# Part No.																			
	mtr	ft	DN	mm	in	mm	in	bar	psi	bar	psi	mm	in	kPa	in/Hg	kg/m	lbs/ft	mtr	ft
H055412-	30,5	100	19	19,0	0.75	33,5	1.32	35	500	140	2000	127,0	5.00	94,8	28	0,95	0.64	30,5	100
H055416-	15,2	50	25	25,4	1.00	38,7	1.52	35	500	138	2000	152,4	6.00	94,8	28	0,82	0.55	15,2	50
H055416-	45,7	150	25	25,4	1.00	38,7	1.52	35	500	138	2000	152,4	6.00	94,8	28	0,82	0.55	45,7	150
H055420-	45,7	150	31	31,8	1.25	46,2	1.82	35	500	140	2000	177,8	7.00	94,8	28	1,29	0,87	45,7	150
H055424-	45,7	150	38	38,1	1.50	50,0	1.97	35	500	138	2000	203,2	8.00	94,8	28	1,44	0,97	45,7	150
H055432-	15,2	50	51	50,8	2.00	65,9	2.59	35	500	138	2000	254,0	10.00	94,8	28	2,31	1.55	15,2	50
H055432-	30,5	100	51	50,8	2.00	65,9	2.59	35	500	138	2000	254,0	10.00	94,8	28	2,31	1.55	30,5	100
H055448-	15,2	50	80	76,2	3.00	95,3	3.75	35	500	138	2000	558,8	22.00	94,8	28	3,44	2.31	15,2	50
H055448-	45,7	150	80	76,2	3.00	95,3	3.75	35	500	138	2000	558,8	22.00	94,8	28	3,44	2.31	45,7	150
H055464-	45,7	150	102	101,6	4.00	121,2	4.77	35	500	138	2000	558,8	22.00	94,8	28	6,28	4.22	45,7	150

 Elevated temperatures can change chemical resistance ratings. Please refer to the Chemical Compatibility information prior to use. Factors such as concentration, fluid contamination, and extreme temperatures may affect these performance specification. Please consult Eaton catalog or Technical Support for proper application.

Chemical

Suction & discharge

 Refer to warnings and safety information on pages N-1 – N-16.

Use of damaged hose or improper use may result in bodily injury or property damage. Please consult Eaton catalog or Technical Support for proper application.

H0599

CHEMCAT™ Corrugated petrochemical



Construction:

Tube: UHMW-PE
FDA-approved material

Reinforcement: 2-ply fiber with dual helical wire

Cover: Corrugated EPDM

Operating temperature:

-40°C to +121°C
(-40°F to +250°F)
WARNING: Intermittent

Application:

- For transfer of acids, chemicals, solvents, and petroleum products
- Loading and unloading, pumping, suction, or gravity flow discharge
- Potable water

Markets:

- Chemical petroleum industry
- In-plant transfers
- Tank truck
- Paper/pulp industry
- Bulk hauling
- Oil and gas exploration

Type of couplings:

- Cam and groove
- Combination nipple
- Male NPT

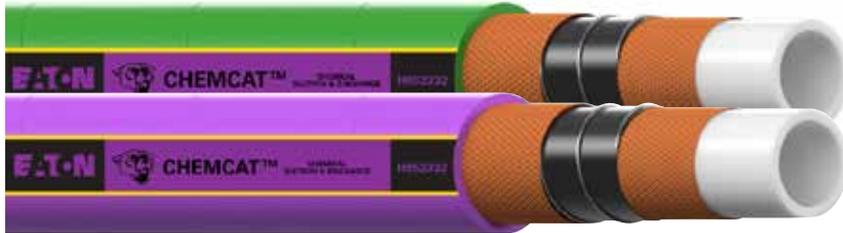
Contact coupling manufacturer for other coupling recommendations including proper metal selection (stainless, aluminium, brass etc.) and attachment procedure with crimp specifications.

# Part No.	Hose I.D.		Hose O.D.		Max Operating Pressure		Burst Pressure		Minimum Bend Radius		Vacuum		Weight		Length				
	mtr	ft	DN	mm	in	mm	in	bar	psi	bar	psi	mm	in	kPa	in/Hg	kg/m	lbs/ft	mtr	ft
H059916-		150	25	25,4	1.00	38,9	1.53	20,7	300	83	1200	76,2	3.00	94,8	28	0,82	0.55		150
H059920-		150	31	31,8	1.25	47,6	1.87	20,7	300	83	1200	101,6	4.00	94,8	28	1,00	0.67		150
H059924-		100	38	38,1	1.50	54,0	2.13	20,7	300	83	1200	101,6	4.00	94,8	28	1,32	0.89		50, 100
H059932-		100	51	50,8	2.00	67,0	2.64	20,7	300	83	1200	127,0	5.00	94,8	28	1,73	1.16		50, 100
H059948-		100	80	76,2	3.00	92,2	3.63	20,7	250	70	1000	165,1	6.50	94,8	28	2,50	1.68		50, 100
H059964-		150	102	101,6	4.00	118,7	4.67	12,1	175	48	700	241,3	9.50	94,8	28	3,36	2.26		150

 Elevated temperatures can change chemical resistance ratings. Please refer to the Chemical Compatibility information prior to use. Factors such as concentration, fluid contamination, and extreme temperatures may affect these performance specification. Please consult Eaton catalog or Technical Support for proper application.

H0523

CHEMCAT™ Petrochemical



Construction:

Tube: UHMW-PE
FDA-approved material

Reinforcement: 2-ply fiber
and dual helical wires

Cover: EPDM

Operating temperature:

-40°C to +121°C
(-40°F to +250°F)
WARNING: Intermittent

Application:

- For transfer of acids, chemicals, solvents, and petroleum products
- Food transfer
- Potable water

Markets:

- Chemical petroleum industry
- In-plant transfers
- Tank truck
- Paper/pulp industry
- Bulk hauling
- Ship building
- Forest products

Type of couplings:

- Cam and groove
- Combination nipple
- Male NPT

Note: Cannot use internal expanded fittings

Contact coupling manufacturer for other coupling recommendations including proper metal selection (stainless, aluminium, brass etc.) and attachment procedure with crimp specifications.

# Part No.	Hose I.D.			Hose O.D.		Max Operating Pressure		Burst Pressure		Minimum Bend Radius		Vacuum		Weight		Length	
	DN	mm	in	mm	in	bar	psi	bar	psi	mm	in	kPa	in/Hg	kg/m	lbs/ft	mtr	ft
H052312XX-100	19	19,0	0.75	30,6	1.20	20,7	300	83	1200	101,6	4.00	94,8	28	0,46	0.31	30,5	100
H052316XX-100	25	25,4	1.00	38,9	1.53	20,7	300	83	1200	139,7	5.50	94,8	28	0,82	0.55	30,5	100
H052320XX-100	31	31,8	1.25	47,8	1.88	20,7	300	83	1200	152,4	6.00	94,8	28	1,00	0.67	30,5	100
H052324XX-100	38	38,1	1.50	54,1	2.13	20,7	300	83	1200	190,5	7.50	94,8	28	1,33	0.89	30,5	100
H052332XX-100	51	50,8	2.00	66,8	2.63	20,7	300	83	1200	203,2	8.00	94,8	28	1,74	1.16	30,5	100
H052340XX-100	60	63,5	2.50	79,5	3.13	20,7	300	83	1200	203,2	8.00	94,8	28	2,13	1.42	30,5	100
H052348XX-100	80	76,2	3.00	92,2	3.63	17,2	250	70	1000	228,6	9.00	94,8	28	2,52	1.68	30,5	100
H052364XX-100	102	101,6	4.00	118,6	4.67	12,1	175	48	700	381,0	15.00	94,8	28	3,39	2.26	30,5	100

* Additional lengths available on select items

** XX notes color; GN for green, PR for purple

 Elevated temperatures can change chemical resistance ratings. Please refer to the Chemical Compatibility information prior to use. Factors such as concentration, fluid contamination, and extreme temperatures may affect these performance specification. Please consult Eaton catalog or Technical Support for proper application.

Chemical

Suction & discharge

 Refer to warnings and safety information on pages N-1 – N-16.

Use of damaged hose or improper use may result in bodily injury or property damage. Please consult Eaton catalog or Technical Support for proper application.

EHC006

Heavy duty UHMW-PE suction & discharge

TS EN12115 Type SD



Construction:

Tube: UHMW-PE
FDA approved material

Reinforcement: High-tensile synthetic textile, steel helical wire and dual anti-static copper wires

Cover: EPDM rubber

Operating temperature:

-40°C to +80°C
(-40°F to +176°F)

Application:

- For suction and discharge of chemicals and solvents

Markets:

- Chemical petroleum industry
- In-plant transfers
- Tank truck
- Paper/pulp industry
- Bulk hauling
- Oil and gas exploration

Type of couplings:

- Cam and groove
- Combination nipple
- Male NPT

Contact coupling manufacturer for other coupling recommendations including proper metal selection (stainless, aluminium, brass etc.) and attachment procedure with crimp specifications.

# Part No.			 Hose I.D.			 Hose O.D.		 Max Operating Pressure		 Burst Pressure		 Minimum Bend Radius		 Vacuum		 Weight		 Length	
	mtr	ft	DN	mm	in	mm	in	bar	psi	bar	psi	mm	in	kPa	in/Hg	kg/m	lbs/ft	mtr	ft
EHC006-12BK-	MXX	100	19	19,0	0.75	31	1.22	16,0	230	64	920	187	7.36	94,8	28	0,67	0.45	40-61	100
EHC006-16BK-	MXX	100	25	25,4	1.00	37	1.46	16,0	230	64	920	225	8.86	94,8	28	0,83	0.56	40-61	100
EHC006-20BK-	MXX	100	31	31,8	1.25	44	1.73	16,0	230	64	920	262	10.31	94,8	28	1,04	0.70	40-61	100
EHC006-24BK-	MXX	100	38	38,1	1.50	51	2.01	16,0	230	64	920	338	13.31	94,8	28	1,40	0.94	40-61	100
EHC006-32BK-	MXX	100	51	50,8	2.00	67	2.64	16,0	230	64	920	410	16.14	94,8	28	2,25	1.51	40-61	100
EHC006-40BK-	MXX	100	60	63,5	2.50	79	3.11	16,0	230	64	920	450	17.72	94,8	28	2,60	1.75	40-61	100
EHC006-48BK-	MXX	100	80	76,2	3.00	92	3.62	16,0	230	64	920	525	20.67	94,8	28	3,22	2.16	40-61	100
EHC006-64BK-	MXX	100	102	101,6	4.00	118	4.65	16,0	230	64	920	675	26.58	94,8	28	4,57	3.07	40-61	100
EHC006-96BK-	MXX	100	152	152,4	6.00	177,2	6.98	16,0	230	64	920	1000	39.37	94,8	28	9,88	6.65	40-61	100

Product also available in BU-Blue and GN-Green

 Elevated temperatures can change chemical resistance ratings. Please refer to the Chemical Compatibility information prior to use. Factors such as concentration, fluid contamination, and extreme temperatures may affect these performance specification. Please consult Eaton catalog or Technical Support for proper application.

EHC004

UHMW-PE suction & discharge



Construction:

Tube: UHMW-PE
FDA Approved

Reinforcement: High-tensile synthetic textile, steel helical wire and anti-static copper wire

Cover: EPDM rubber

Operating temperature:

-40°C to +80°C
(-40°F to +176°F)

Application:

- For suction and discharge of chemicals and solvents

Markets:

- Chemical petroleum industry
- In-plant transfers
- Tank truck
- Paper/pulp industry
- Bulk hauling
- Oil and gas exploration

Type of couplings:

- Cam and groove
- Combination nipple
- Male NPT

Contact coupling manufacturer for other coupling recommendations including proper metal selection (stainless, aluminium, brass etc.) and attachment procedure with crimp specifications.

# Part No.																				
	mtr	ft	DN	mm	in	mm	in	bar	psi	bar	psi	mm	in	kPa	in/Hg	kg/m	lbs/ft	mtr	ft	
EHC004-12GN-	MXX	100	100	19	19,0	0.75	31	1.22	10,5	150	41	600	80	3.15	94,8	28	0,69	0.46	40-61	100
EHC004-16GN-	MXX	100	100	25	25,4	1.00	37	1.46	10,5	150	41	600	110	4.33	94,8	28	0,82	0.55	40-61	100
EHC004-20GN-	MXX	100	100	31	31,8	1.25	45	1.77	10,5	150	41	600	165	6.50	94,8	28	1,12	0.75	40-61	100
EHC004-24GN-	MXX	100	100	38	38,1	1.50	52	2.05	10,5	150	41	600	225	8.86	94,8	28	1,50	1.01	40-61	100
EHC004-28GN-	MXX	100	100	45	44,5	1.75	59	2.32	10,5	150	41	600	285	11.22	94,8	28	1,82	1.22	40-61	100
EHC004-32GN-	MXX	100	100	51	50,8	2.00	67	2.64	10,5	150	41	600	350	13.78	94,8	28	2,28	1.53	40-61	100
EHC004-40GN-	MXX	100	100	60	63,5	2.50	80	3.15	10,5	150	41	600	450	17.72	94,8	28	2,78	1.87	40-61	100
EHC004-44GN-	MXX	100	100	70	70,0	2.75	87	3.43	10,5	150	41	600	550	21.65	94,8	28	3,18	2.14	40-61	100
EHC004-48GN-	MXX	100	100	80	76,2	3.00	93	3.66	10,5	150	41	600	800	31.50	94,8	28	3,32	2.23	40-61	100
EHC004-64GN-	MXX	100	100	102	101,6	4.00	120	4.72	10,5	150	41	600	1200	47.24	94,8	28	4,88	3.28	40-61	100

*Product also available in BK-Black and BU-Blue

 Elevated temperatures can change chemical resistance ratings. Please refer to the Chemical Compatibility information prior to use. Factors such as concentration, fluid contamination, and extreme temperatures may affect these performance specification. Please consult Eaton catalog or Technical Support for proper application.

Chemical

Suction & discharge

 Refer to warnings and safety information on pages N-1 – N-16.

Use of damaged hose or improper use may result in bodily injury or property damage. Please consult Eaton catalog or Technical Support for proper application.

EHC003

Heavy duty chemical suction & discharge

TS EN12115 XLPE TYPE SD-M



Construction:

Tube: PE blend

Reinforcement: High-tensile synthetic textile, dual steel helical wire and dual anti-static copper wires

Cover: EPDM rubber

Operating temperature:

-40°C to +80°C
(-40°F to +176°F)

Application:

- For suction and discharge of chemicals and solvents

Markets:

- Chemical petroleum industry
- In-plant transfers
- Tank truck
- Paper/pulp industry
- Bulk hauling
- Oil and gas exploration

Type of couplings:

- Cam and groove
- Combination nipple
- Male NPT

Contact coupling manufacturer for other coupling recommendations including proper metal selection (stainless, aluminium, brass etc.) and attachment procedure with crimp specifications.

# Part No.																			
	mtr	ft	DN	mm	in	mm	in	bar	psi	bar	psi	mm	in	kPa	in/Hg	kg/m	lbs/ft	mtr	ft
EHC003-12BK-	MXX	100	19	19,0	0.75	31	1.22	16	230	64	920	187	7.36	94,8	28	0,64	0.43	40-61	100
EHC003-16BK-	MXX	100	25	25,4	1.00	37	1.46	16	230	64	920	225	8.86	94,8	28	0,82	0.55	40-61	100
EHC003-20BK-	MXX	100	31	31,8	1.25	44	1.73	16	230	64	920	262	10.31	94,8	28	1,02	0.69	40-61	100
EHC003-24BK-	MXX	100	38	38,1	1.50	51	2.01	16	230	64	920	338	13.31	94,8	28	1,38	0.93	40-61	100
EHC003-32BK-	MXX	100	51	50,8	2.00	67	2.64	16	230	64	920	410	16.14	94,8	28	2,24	1.51	40-61	100
EHC003-40BK-	MXX	100	60	63,5	2.50	79	3.11	16	230	64	920	450	17.72	94,8	28	2,65	1.78	40-61	100
EHC003-48BK-	MXX	100	80	76,2	3.00	92	3.62	16	230	64	920	525	20.67	94,8	28	3,27	2.20	40-61	100
EHC003-64BK-	MXX	100	102	101,6	4.00	118	4.65	16	230	64	920	675	26.58	94,8	28	4,84	3.25	40-61	100

Product also available in BU-Blue

 Elevated temperatures can change chemical resistance ratings. Please refer to the Chemical Compatibility information prior to use. Factors such as concentration, fluid contamination, and extreme temperatures may affect these performance specification. Please consult Eaton catalog or Technical Support for proper application.

EHC034

Corrugated XLPE Suction and discharge



Construction:

Tube: Standard XLPE (cross linked Polyethylene)

Reinforcement: High tensile synthetic textile with dual steel helical wire

Cover: Corrugated green EPDM

Operating temperature:

-40°C to +65°C
(-40°F to +150°F)
Max.ambient temperature
121°C (250°F)

Application:

- For suction and discharge of chemicals and solvents

Markets:

- Chemical petroleum industry
- In-plant transfers
- Tank truck
- Paper/pulp industry
- Bulk hauling
- Oil and gas exploration

Type of couplings:

- Cam and groove
- Combination nipple

Contact coupling manufacturer for other coupling recommendations including proper metal selection (stainless, aluminium, brass etc.) and attachment procedure with crimp specifications.

# Part No.																	
	mtr	ft	DN	mm	in	mm	in	bar	psi	bar	psi	mm	in	kg/m	lbs/ft	mtr	ft
EHC034-32GN	MXX	100	51	50.8	2.00	66.0	2.60	14.0	203	56	812	304	11.97	1.99	1.34	40-61	100
EHC034-48GN	MXX	100	80	76.2	3.00	91.4	3.60	10.5	150	42	609	559	22.01	3.08	2.07	40-61	100
EHC034-64GN	MXX	100	102	101.6	4.00	120.0	4.72	10.5	150	42	609	660	25.98	4.60	3.09	40-61	100
EHC034-96GN	MXX	100	152	152.4	6.00	176.0	6.93	10.5	150	42	609	1016	40.00	8.57	5.76	40-61	100

 Elevated temperatures can change chemical resistance ratings. Please refer to the Chemical Compatibility information prior to use. Factors such as concentration, fluid contamination, and extreme temperatures may affect these performance specification. Please consult Eaton catalog or Technical Support for proper application.

Chemical

Suction & discharge

 Refer to warnings and safety information on pages N-1 – N-16.

Use of damaged hose or improper use may result in bodily injury or property damage. Please consult Eaton catalog or Technical Support for proper application.

EHC011

Heavy duty EPDM suction & discharge

TS EN12115 EPDM Type SD



Construction:

Tube: EPDM rubber
Reinforcement: High-tensile synthetic textile, dual steel helical wires and anti-static copper wire
Cover: EPDM rubber

Operating temperature:

-40°C to +80°C
 (-40°F to +176°F)

Application:

- For suction and discharge of chemicals and solvents

Markets:

- Chemical petroleum industry
- In-plant transfers
- Tank truck
- Paper/pulp industry
- Bulk hauling
- Oil and gas exploration

Type of couplings:

- Cam and groove
- Combination nipple
- Male NPT

Contact coupling manufacturer for other coupling recommendations including proper metal selection (stainless, aluminium, brass etc.) and attachment procedure with crimp specifications.

#	Part No.		Hose I.D.			Hose O.D.		Max Operating Pressure		Burst Pressure		Minimum Bend Radius		Vacuum		Weight		Length	
			DN	mm	in	mm	in	bar	psi	bar	psi	mm	in	kPa	in/Hg	kg/m	lbs/ft	mtr	ft
EHC011-12-	MXX	100	19	19,0	0.75	31	1.22	16,0	230	64	920	75	2.95	94,8	28	0,63	0.42	40-61	100
EHC011-16-	MXX	100	25	25,4	1.00	37	1.46	16,0	230	64	920	100	3.94	94,8	28	0,78	0.52	40-61	100
EHC011-20-	MXX	100	31	31,8	1.25	44	1.73	16,0	230	64	920	125	4.92	94,8	28	1,03	0.69	40-61	100
EHC011-24-	MXX	100	38	38,1	1.50	51	2.01	16,0	230	64	920	150	5.90	94,8	28	1,42	0.95	40-61	100
EHC011-32-	MXX	100	51	50,8	2.00	67	2.64	16,0	230	64	920	225	8.86	94,8	28	2,20	1.48	40-61	100
EHC011-40-	MXX	100	60	63,5	2.50	79	3.11	16,0	230	64	920	280	11.02	94,8	28	2,67	1.79	40-61	100
EHC011-48-	MXX	100	80	76,2	3.00	92	3.62	16,0	230	64	920	340	13.39	80,0	24	3,16	2.12	40-61	100
EHC011-64-	MXX	100	102	101,6	4.00	118	4.65	16,0	230	64	920	455	17.91	80,0	24	4,36	2.93	40-61	100

Product also available in BU-Blue

 Elevated temperatures can change chemical resistance ratings. Please refer to the Chemical Compatibility information prior to use. Factors such as concentration, fluid contamination, and extreme temperatures may affect these performance specification. Please consult Eaton catalog or Technical Support for proper application.

H0345

TIGER™ Chemical suction & discharge



Construction:

Tube: EPDM

Reinforcement:

2-ply fiber with helical wire

Cover: EPDM

Operating temperature:

-43°C to +82°C
(-45°F to +180°F)

Application:

- For transfer of acids, chemicals, solvents, and petroleum products
- Loading and unloading, pumping, suction, or gravity flow discharge

Markets:

- Chemical petroleum industry
- In-plant transfers
- Tank truck
- Paper/pulp industry
- Bulk hauling
- Oil and gas exploration

Type of couplings:

- Cam and groove
- Combination nipple
- Male NPT

Contact coupling manufacturer for other coupling recommendations including proper metal selection (stainless, aluminium, brass etc.) and attachment procedure with crimp specifications.

# Part No.	Hose I.D.		Hose O.D.		Max Operating Pressure		Burst Pressure		Minimum Bend Radius		Vacuum		Weight		Length				
																	mtr	ft	DN
H034524-		100	38	38,1	1.50	60,3	2.37	10,5	150	41	600	101,6	4.00	94,8	28	2,31	1.55		100
H034532-		100	51	50,8	2.00	73,0	2.87	10,5	150	41	600	127,0	5.00	94,8	28	2,86	1.92		100
H034548-		100	80	76,2	3.00	100,0	3.94	10,5	150	41	600	228,6	9.00	94,8	28	4,25	2.86		100
H034564-		150	102	101,6	4.00	125,4	4.94	10,5	150	41	600	279,4	11.00	94,8	28	5,49	3.69		150
H034596		150	150	152,4	6.00	183,4	7.22	10,5	150	41	600	762,0	30.00	94,8	28	11,63	7.82		150

 Elevated temperatures can change chemical resistance ratings. Please refer to the Chemical Compatibility information prior to use. Factors such as concentration, fluid contamination, and extreme temperatures may affect these performance specification. Please consult Eaton catalog or Technical Support for proper application.

Chemical

Discharge

 Refer to warnings and safety information on pages N-1 – N-16.

Use of damaged hose or improper use may result in bodily injury or property damage. Please consult Eaton catalog or Technical Support for proper application.

EHC017

Heavy duty UHMW-PE discharge

TS EN12115 UHMW-PE Type D



Construction:

Tube: UHMW-PE
FDA approved material

Reinforcement: High-tensile synthetic textile, and anti-static copper wire

Cover: EPDM rubber

Operating temperature:

-40°C to +80°C
(-40°F to +176°F)

Application:

- For discharge of chemicals and solvents

Markets:

- Chemical petroleum industry
- In-plant transfers
- Tank truck
- Paper/pulp industry
- Bulk hauling
- Oil and gas exploration

Type of couplings:

- Cam and groove
- Combination nipple
- Male NPT

Contact coupling manufacturer for other coupling recommendations including proper metal selection (stainless, aluminium, brass etc.) and attachment procedure with crimp specifications.

# Part No.																	
	mtr	ft	DN	mm	in	mm	in	bar	psi	bar	psi	mm	in	kg/m	lbs/ft	mtr	ft
EHC017-12BK-	MXX	100	19	19,0	0.75	31	1.22	16,0	230	64	920	187	7.36	0,55	0.37	40-61	100
EHC017-16BK-	MXX	100	25	25,4	1.00	37	1.46	16,0	230	64	920	225	8.86	0,67	0.45	40-61	100
EHC017-20BK-	MXX	100	31	31,8	1.25	44	1.73	16,0	230	64	920	262	10.31	1,02	0.69	40-61	100
EHC017-24BK-	MXX	100	38	38,1	1.50	51	2.01	16,0	230	64	920	338	13.31	1,18	0.79	40-61	100
EHC017-32BK-	MXX	100	51	50,8	2.00	67	2.64	16,0	230	64	920	410	16.14	1,68	1.13	40-61	100
EHC017-40BK-	MXX	100	60	63,5	2.50	79	3.11	16,0	230	64	920	450	17.72	2,20	1.48	40-61	100
EHC017-48BK-	MXX	100	80	76,2	3.00	92	3.62	16,0	230	64	920	525	20.67	2,70	1.82	40-61	100
EHC017-64BK-	MXX	100	102	101,6	4.00	118	4.65	16,0	230	64	920	675	26.57	3,61	2.43	40-61	100

Product also available in BU-Blue and GN-Green

 Elevated temperatures can change chemical resistance ratings. Please refer to the Chemical Compatibility information prior to use. Factors such as concentration, fluid contamination, and extreme temperatures may affect these performance specification. Please consult Eaton catalog or Technical Support for proper application.

EHC016

UHMW-PE discharge



Construction:

Tube: UHMW-PE

Reinforcement: High-tensile synthetic textile and anti-static copper wire

Cover: EPDM rubber

Operating temperature:

-40°C to +80°C
(-40°F to +176°F)

Application:

- For discharge of chemicals and solvents

Markets:

- Chemical petroleum industry
- In-plant transfers
- Tank truck
- Paper/pulp industry
- Bulk hauling
- Oil and gas exploration

Type of couplings:

- Cam and groove
- Combination nipple
- Male NPT

Contact coupling manufacturer for other coupling recommendations including proper metal selection (stainless, aluminium, brass etc.) and attachment procedure with crimp specifications.

# Part No.			 Hose I.D.			 Hose O.D.		 Max Operating Pressure		 Burst Pressure		 Weight		 Length	
			DN	mm	in	mm	in	bar	psi	bar	psi	kg/m	lbs/ft	mtr	ft
EHC016-12GN-	MXX	100	19	19,0	0.75	30	1.18	10,5	150	41,0	600	0,56	0.38	40-61	100
EHC016-16GN-	MXX	100	25	25,4	1.00	36	1.42	10,5	150	41,0	600	0,66	0.44	40-61	100
EHC016-20GN-	MXX	100	31	31,8	1.25	45	1.77	10,5	150	41,0	600	1,19	0.80	40-61	100
EHC016-24GN-	MXX	100	38	38,1	1.50	51	2.01	10,5	150	41,0	600	1,58	1.06	40-61	100
EHC016-28GN-	MXX	100	45	44,5	1.75	59	2.32	10,5	150	41,0	600	1,75	1.18	40-61	100
EHC016-32GN-	MXX	100	51	50,8	2.00	65	2.56	10,5	150	41,0	600	2,23	1.50	40-61	100
EHC016-40GN-	MXX	100	60	63,5	2.50	79	3.11	10,5	150	41,0	600	2,50	1.68	40-61	100
EHC016-44GN-	MXX	100	70	70,0	2.75	86	3.39	10,5	150	41,0	600	2,71	1.82	40-61	100
EHC016-48GN-	MXX	100	80	76,2	3.00	92	3.62	10,5	150	41,0	600	3,21	2.16	40-61	100
EHC016-64GN-	MXX	100	102	101,6	4.00	118	4.65	10,5	150	41,0	600	3,77	2.53	40-61	100

*Product also available in BK-Black and BU-Blue

 Elevated temperatures can change chemical resistance ratings. Please refer to the Chemical Compatibility information prior to use. Factors such as concentration, fluid contamination, and extreme temperatures may affect these performance specification. Please consult Eaton catalog or Technical Support for proper application.

Chemical

Discharge

 Refer to warnings and safety information on pages N-1 – N-16.

Use of damaged hose or improper use may result in bodily injury or property damage. Please consult Eaton catalog or Technical Support for proper application.

H9699

ALLEYCAT™ hot liquid



Construction:

- Tube:** EPDM
- Reinforcement:** 2-wire braid with anti-static wire
- Cover:** EPDM

Operating temperature:

-40°C to +149°C
(-40°F to +300°F)

Application:

- For in-plant transfer of liquors and cleaning solutions

Markets:

- In-plant transfers
- Tank truck
- Paper/pulp industry

Type of couplings:

- Cam and groove
- Combination nipple
- Male NPT

Contact coupling manufacturer for other coupling recommendations including proper metal selection (stainless, aluminium, brass etc.) and attachment procedure with crimp specifications.

# Part No.	Hose I.D.		Hose O.D.		Max Operating Pressure		Burst Pressure		Minimum Bend Radius		Weight		Length				
															mtr	ft	DN
H969924-		50	38	38,1	1.50	55,6	2.19	41,0	600	165	2400	203,2	8.00	2,23	1.50		50, 150
H969932-		50	51	50,8	2.00	68,3	2.69	41,0	600	165	2400	406,4	16.00	2,63	1.77		50

 Elevated temperatures can change chemical resistance ratings. Please refer to the Chemical Compatibility information prior to use. Factors such as concentration, fluid contamination, and extreme temperatures may affect these performance specification. Please consult Eaton catalog or Technical Support for proper application.

H1941 & H1942 NYALL™ hose



Construction:

Tube: Nylon

Reinforcement:

H1941 1-fiber braid
H1942 2-fiber braid

Cover: (BK) Neoprene,
(RD) Vinyl Nitrile and
RMA Class B oil resistant

Operating temperature:

-34°C to +71°C
(-30°F to +160°F)

Application:

- Spraying pesticides and fertilizers
- Paint spray

Markets:

- Agriculture

Type of couplings:

- TTC series (-4, -6, -8, -12, -16)
- Eaton "E" series (-5 only)
- Barbed inserts

Contact coupling manufacturer for attachment procedure and other coupling recommendations

# Part No.			 Hose I.D.			 Hose O.D.		 Max Operating Pressure		 Burst Pressure		 Weight		 Length	
	mtr	ft	DN	mm	in	mm	in	bar	psi	bar	psi	kg/m	lbs/ft	mtr	ft
H1941															
H194104BK-		500R	6	6,4	0.25	12,7	0.50	35,0	500	138	2000	0,12	0.08		500
H194104RD-		500R	6	6,4	0.25	12,7	0.50	35,0	500	138	2000	0,12	0.08		500
H194105BK-		500R	8	7,9	0.31	14,3	0.56	35,0	500	138	2000	0,16	0.11		500
H194106BK-		500R	10	9,7	0.38	17,5	0.69	35,0	500	138	2000	0,22	0.15		500
H194106RD-		500R	10	9,7	0.38	17,5	0.69	35,0	500	138	2000	0,22	0.15		500
H194108RD-		500R	12	12,7	0.50	19,9	0.78	35,0	500	138	2000	0,22	0.15		500
H1942															
H194208BK-		500R	12	12,7	0.50	22,2	0.88	52,0	750	207	3000	0,31	0.21		500
H194208RD-		500R	12	12,7	0.50	22,2	0.88	52,0	750	207	3000	0,31	0.21		500
H194212RD-		500R	19	19,0	0.75	30,2	1.19	52,0	750	207	3000	0,59	0.40		500
H194216RD-		300R	25	25,4	1.00	38,1	1.50	35,0	500	138	2000	0,83	0.56		300

 Elevated temperatures can change chemical resistance ratings. Please refer to the Chemical Compatibility information prior to use. Factors such as concentration, fluid contamination, and extreme temperatures may affect these performance specification. Please consult Eaton catalog or Technical Support for proper application.

Eaton industrial hose reminder

Selection of hose ends



Proper selection of hose ends

Selection of the proper Eaton Industrial hose end or coupling is essential to the proper operation and safe use of hose assemblies and related equipment.

Inadequate attention to the selection of the end fittings may result in hose leakage, bursting, or other failure which may cause serious bodily injury or property damage from spraying fluids or flying projectiles. In order to avoid serious bodily injury or property damage resulting from selection of an incompatible hose end or coupling, you should carefully review the information in this catalog. Some factors which are involved in selection of the proper hose couplings are:

- Fluid compatibility
- Temperature
- Installation design
- Hose size
- Corrosion requirements
- Fluid conveyed

The given hose and hose end selection factors and the other information contained in this catalog should be considered by you in selecting the proper hose end fitting for your application.

If you have any questions regarding the use of hose/hose ends please contact your usual Eaton Technical Support or Customer Support teams.

Contact coupling manufacturer for other coupling recommendations including proper metal selection (stainless, aluminium, brass etc.) and attachment procedure with crimp specifications.

IEC: P20; tipo US/CSA -

Notes

Food and beverage

Food Suction & Discharge

H0350 LION™ Food Transfer	E-4
EHF002 Liquid Food Suction & Discharge	E-5
EHF018 Milk Suction & Discharge	E-6

Food Discharge

EHF001 Liquid Food Discharge	E-7
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Beverage Suction & Discharge

EHF020 Alcohol Suction & Discharge	E-8
EHB503 Medium Duty Beer/Wine S & D	E-9
EHT200 Steel Spiral PVC hose	E-10

Beverage Discharge

H285 CLEARFORCE™ – R	E-11
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Dry Bulk Suction & Discharge

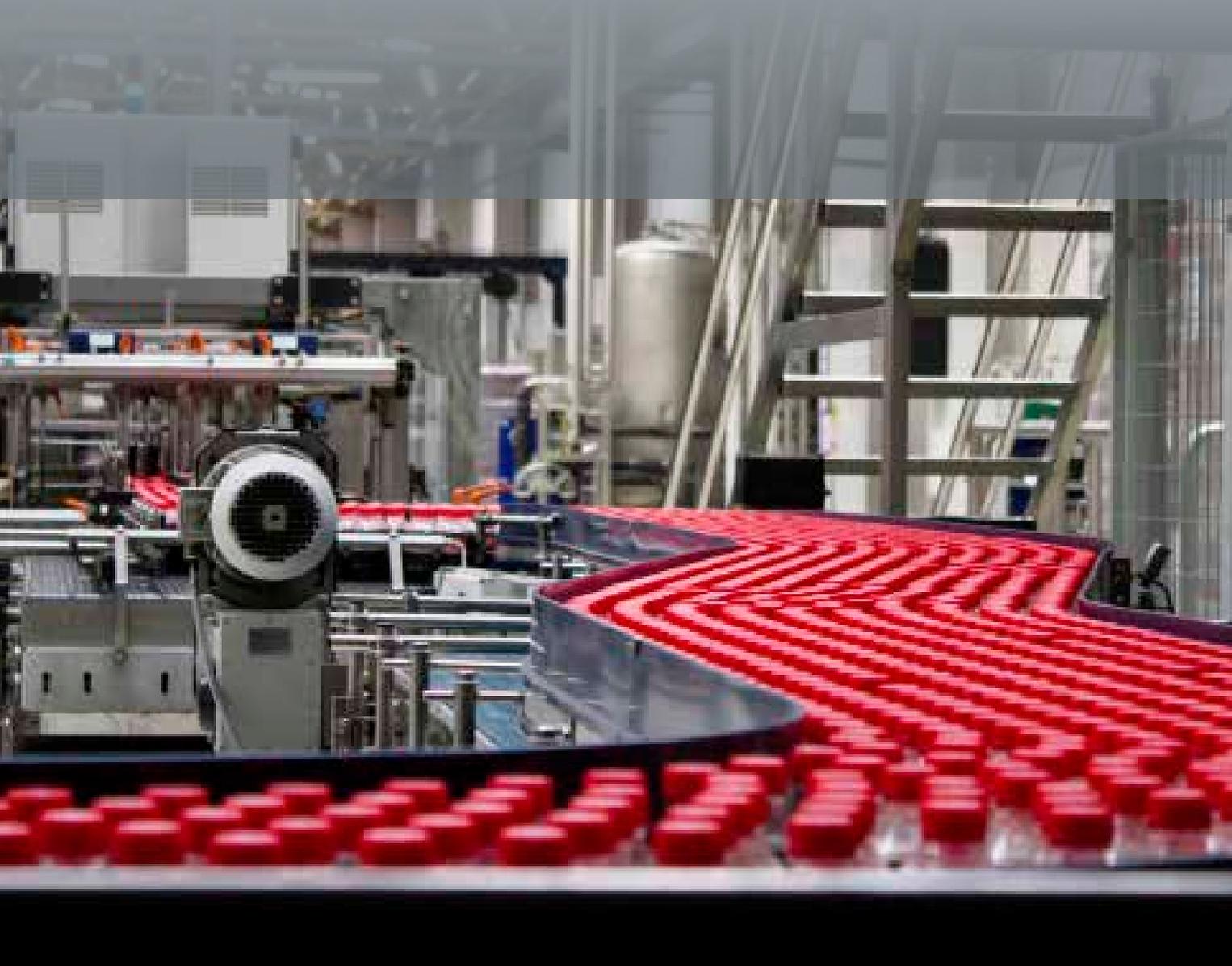
EHF013 Bulk Suction & Discharge	E-12
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Dry Bulk Discharge

EHF022 Flat Light Duty Bulk Discharge	E-13
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Cleaning Service

EHF003 Dairy Washdown	E-14
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Food and beverage

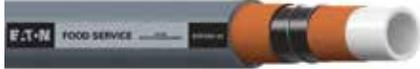
Food suction & discharge

H0350 LION™ Food transfer



Application: Suction and discharge of non-dairy food products
Tube: Vinyl nitrile **Reinforcement:** 2-ply fiber helical wire **Cover:** Vinyl nitrile
Temp: -40°C to +82°C, (-40°F to +180°F)
Pressure: 17,5 bar / 250 psi

EHF002 Liquid food suction & discharge



Application: Suction and discharge of milk, vegetable oil and beverages
Tube: Vegetable oil resistant NBR
Reinforcement: High-tensile synthetic textile with a single steel helical wire
Cover: Synthetic rubber
Temp: -40°C to +80°C, (-40°F to +176°F)
Pressure: 10,5 bar / 150 psi

EHF018 Milk suction & discharge



Application: Suction and discharge of milk
Tube: Vegetable oil-resistant NBR rubber
Reinforcement: High-tensile synthetic textile with steel helical wire
Cover: Synthetic rubber
Temp: -40°C to +80°C, (-40°F to +176°F)
Pressure: 7,0 bar / 100 psi

Food discharge

EHF001 Liquid food discharge



Application: Discharge of milk, vegetable oil and beverages
Tube: Vegetable oil-resistant NBR
Reinforcement: High-tensile synthetic textile **Cover:** Synthetic rubber
Temp: -40°C to +80°C, (-40°F to +176°F)
Pressure: 10,5 bar / 150 psi

Beverage suction & discharge

EHF020 Alcohol suction & discharge



Application: S & D of food containing high percentage of alcohol
Tube: UHMW-PE
Reinforcement: High-tensile synthetic textile with steel helical wire
Cover: EPDM rubber
Temp: -40°C to +80°C, (-40°F to +176°F)
Pressure: 10,5 bar / 150 psi

EHB503 Medium duty beer/wine s & d



Application: S & D of beverages; mineral water, beer, fruit juices, wine & liquor
Tube: EPDM rubber
Reinforcement: High-tensile synthetic textile with steel helical wire
Cover: EPDM rubber
Temp: -40°C to +120°C, (-40°F to +248°F)
Pressure: 7,0-10,5 bar / 100-150 psi

EHT200 Steel spiral PVC hose



Application: Suction and delivery of water, mineral water, fruit juices, liquids, in shipyards, industries, agricultural and industrial machineries
Tube: Strong very flexible, smooth, transparent food grade PVC
Reinforcement: Shock resistant galvanized steel spiral wire
Cover: Abrasion resistant, crush and weather resistant smooth PVC
Temp: -5°C to +60°C, (+23°F to +140°F)
Pressure: 6,0-21,0 bar / 87-305 psi

Beverage discharge

H285 CLEARFORCE™ —R



Application: For food and beverage dispensing; and spraying and conveying fertilizer and pesticides
Tube: Clear PVC **Reinforcement:** 2-spiral fiber **Cover:** Clear PVC
Temp: -26°C to +66°C, (-15°F to +150°F)
Pressure: 5,0-17,2 bar / 75-250 psi

Dry Bulk suction & discharge

EHF013 Bulk suction & discharge



Application: S & D bulk abrasive products; sugar, flour, milk powder & granules
Tube: Synthetic rubber
Reinforcement: High-tensile synthetic textile with steel helical wire and anti-static copper wire
Cover: Synthetic rubber
Temp: -40°C to +80°C, (-40°F to +176°F)
Pressure: 10,5 bar / 150 psi

Dry Bulk discharge

EHF022 Flat light duty bulk discharge



Application: Discharge of bulk abrasive material for food industry
Tube: Synthetic rubber
Reinforcement: High-tensile synthetic textile and anti-static copper wire
Cover: Synthetic rubber
Temp: -40°C to +70°C, (-40°F to +158°F)
Pressure: 5,0 bar / 75 psi

Cleaning service

EHF003 Dairy washdown



Application: Cleaning in food processing facilities
Tube: Synthetic rubber
Reinforcement: High-tensile synthetic textile
Cover: Synthetic rubber
Temp: -40°C to +125°C, Steam to +165°C (-40°F to +176°F), Steam to +329°F
Pressure: 7,0 bar / 1000 psi



Remove the guesswork from selecting, buying and using critical application hose

- When you are handling easily contaminated or hazardous material it is critical to select the proper hose. The high visibility branding and color coding removes the guesswork from hose selection.

Environmental resistance

- The tube and cover materials of the Eaton Industrial Hose are designed to assure maximum life and top value. They are sophisticated hoses for demanding jobs.

Built to make work faster, easier and safer

- Moving and connecting hose several times a day isn't easy work. Each of the Industrial Hose is designed to be easy to handle as safety and job performance will allow.

Honest value

- There is only one way to make hose cost less — build it cheaper. You won't find compromises in the Industrial Hose. That's why we put the Eaton brand name on them.

Food hose sanitation

- Max 120°C for 15 min. with steam -or- Max 50°C for 15 min. with 5% caustic soda.

Food and beverage hose - Safety information

Important!

⚠ WARNING: Testing can be dangerous and should be done only by trained personnel using proper tools and procedures. Failure to follow such procedures might result in serious injury, death, or damage to property.

⚠ WARNING: Failure to properly follow the manufacturer's recommended procedures for the care, maintenance, and storage of a particular hose may result in its failure to perform in the manner intended and may result in serious injury, death, or damage to property.

⚠ WARNING: Consult with the coupling manufacturer to make sure you choose the correct coupling and proper assembly for the application. Such matching of hose and couplings, and assembling of couplings, should be performed only by trained personnel using proper tools and procedures. Failure to follow manufacturer's instructions or failure to use trained personnel may result in serious bodily injury and/or property damage.

⚠ WARNING: Consider both working pressure and pressure surges when determining "maximum" pressure. Failure to select a hose that meets both these requirements could lead to end blow-offs, hose leakage, and hose bursting. The result could be serious injury or death. The Eaton hose you choose must meet or exceed the required working pressure, and must have a safety factor to allow for surge pressure.

⚠ WARNING: Do not use hose at temperatures that exceed the hose temperature rating. Doing so could deteriorate the hose, leading to leaks, hose bursting, and end blow-offs. This could result in serious personal injury or death.

⚠ WARNING: Selection of the proper hose for the application is essential to the proper operation and safe use of the hose and related equipment. Inadequate attention to selection of hose for the application can result in serious bodily injury or property damage. In order to avoid serious bodily injury or property damage resulting from selection of the wrong hose, you should carefully review the information in this catalog.

Food and beverage

Food suction & discharge

 Refer to warnings and safety information on pages N-1 – N-16.

Use of damaged hose or improper use may result in bodily injury or property damage. Please consult Eaton catalog or Technical Support for proper application.

H0350

LION™ Food transfer



Construction:

Tube: Vinyl nitrile
FDA approved material
Reinforcement: 2-ply fiber with helical wire
Cover: Vinyl nitrile

Operating temperature:

-40°C to +82°C
(-40°F to +180°F)

Application:

- For suction and discharge of non-dairy food products

Markets:

- Food processing
- Tank truck
- Rail car

Type of couplings:

- Cam and groove
- Combination nipple

Contact coupling manufacturer for attachment procedure and other coupling recommendations

# Part No.	Hose I.D.		Hose O.D.		Max Oper Pressure		Burst Pressure		Minimum Bend Radius		Vacuum		Weight		Length				
	mtr	ft	DN	mm	in	mm	in	bar	psi	bar	psi	mm	in	kPa	in/Hg	kg/m	lbs/ft	mtr	ft
H035032-		100	51	50,8	2.00	66,7	2.63	17,2	250	70	1000	127,0	5.00	94,8	28	2,38	1.60		100
H035032-		150	51	50,8	2.00	66,7	2.63	17,2	250	70	1000	127,0	5.00	94,8	28	2,38	1.60		150
H035048-		100	80	76,2	3.00	92,1	3.63	17,2	250	70	1000	317,5	12.50	94,8	28	3,17	2.13		100
H035064-		150	102	101,6	4.00	118,3	4.66	17,2	250	70	1000	317,5	12.50	94,8	28	5,24	3.52		150

Food and beverage

Food suction & discharge

 Refer to warnings and safety information on pages N-1 – N-16.

Use of damaged hose or improper use may result in bodily injury or property damage. Please consult Eaton catalog or Technical Support for proper application.

EHF002

Liquid food suction & discharge



Construction:

Tube: Vegetable oil-resistant NBR, FDA approved material

Reinforcement: High-tensile synthetic textile with a single steel helical wire

Cover: Oil, abrasion, ozone, and weather resistant synthetic rubber

Operating temperature:

-40°C to +80°C
(-40°F to +176°F)

Application:

- For suction and discharge of milk, vegetable oil and beverages

Standards:

Regulation EC 1935/2004
Regulation EC2023/2006
FDA regulation CFR title No.21 art 177.2600

Markets:

- Food processing
- Tank truck
- Dairy processing
- Milk processing

Type of couplings:

- Cam and groove
- Combination nipple

Contact coupling manufacturer for attachment procedure and other coupling recommendations

# Part No.																			
	mtr	ft	DN	mm	in	mm	in	bar	psi	bar	psi	mm	in	kPa	in/Hg	kg/m	lbs/ft	mtr	ft
EHF002-12GY-	MXX	100	19	19,0	0.75	31,0	1.22	10,5	150	31	450	70	2.76	94,8	28	0,71	0.48	40-61	100
EHF002-16GY-	MXX	100	25	25,4	1.00	38,0	1.50	10,5	150	31	450	85	3.35	94,8	28	0,96	0.65	40-61	100
EHF002-20GY-	MXX	100	31	31,8	1.25	45,0	1.69	10,5	150	31	450	100	3.94	94,8	28	1,23	0.83	40-61	100
EHF002-24GY-	MXX	100	38	38,1	1.50	52,0	2.06	10,5	150	31	450	120	4.72	94,8	28	1,65	1.11	40-61	100
EHF002-28GY-	MXX	100	45	44,5	1.75	58,5	2.30	10,5	150	31	450	140	5.51	94,8	28	1,83	1.23	40-61	100
EHF002-32GY-	MXX	100	51	50,8	2.00	66,0	2.60	10,5	150	31	450	160	6.30	94,8	28	2,29	1.54	40-61	100
EHF002-40GY-	MXX	100	60	63,5	2.50	78,5	3.09	10,5	150	31	450	280	11.02	94,8	28	2,80	1.88	40-61	100
EHF002-48GY-	MXX	100	80	76,2	3.00	93,0	3.66	10,5	150	31	450	360	14.17	94,8	28	3,74	2.51	40-61	100
EHF002-64GY-	MXX	100	102	101,6	4.00	118,5	4.67	10,5	150	31	450	450	17.72	94,8	28	4,73	3.18	40-61	100

* Additional colors available on BK-Black, BU-Blue, or RD-Red

Food and beverage

Food suction & discharge

 Refer to warnings and safety information on pages N-1 – N-16.

Use of damaged hose or improper use may result in bodily injury or property damage. Please consult Eaton catalog or Technical Support for proper application.

EHF018

Milk suction & discharge



Construction:

Tube: Vegetable oil-resistant NBR rubber, FDA approved material

Reinforcement: High-tensile synthetic textile with steel helical wire

Cover: Oil, abrasion, ozone, and weather resistant synthetic rubber

Operating temperature:

-40°C to +80°C
(-40°F to +176°F)

Application:

- For suction and discharge of milk

Standards:

Regulation EC 1935/2004
Regulation EC2023/2006
FDA regulation CFR title No.21 art 177.2600

Markets:

- Food processing
- Tank truck
- Dairy processing
- Milk processing

Type of couplings:

- Cam and groove
- Combination nipple

Contact coupling manufacturer for attachment procedure and other coupling recommendations

# Part No.																			
	mtr	ft	DN	mm	in	mm	in	bar	psi	bar	psi	mm	in	kPa	in/Hg	kg/m	lbs/ft	mtr	ft
EHF018-12BU-	MXX	100	19	19,0	0.75	29,0	1.14	7,0	100	20,7	300	60	2.36	94,8	28	0,62	0.42	40-61	100
EHF018-16BU-	MXX	100	25	25,4	1.00	36,0	1.42	7,0	100	20,7	300	85	3.35	94,8	28	0,85	0.57	40-61	100
EHF018-20BU-	MXX	100	31	31,8	1.25	43,0	1.69	7,0	100	20,7	300	105	4.13	94,8	28	1,06	0.71	40-61	100
EHF018-24BU-	MXX	100	38	38,1	1.50	49,0	1.93	7,0	100	20,7	300	125	4.92	94,8	28	1,36	0.91	40-61	100
EHF018-28BU-	MXX	100	45	44,5	1.75	56,0	2.20	7,0	100	20,7	300	150	5.91	94,8	28	1,66	1.12	40-61	100
EHF018-32BU-	MXX	100	51	50,8	2.00	62,5	2.46	7,0	100	20,7	300	170	6.69	94,8	28	1,87	1.26	40-61	100
EHF018-40BU-	MXX	100	60	63,5	2.50	74,5	2.93	7,0	100	20,7	300	200	7.87	94,8	28	2,19	1.47	40-61	100
EHF018-48BU-	MXX	100	80	76,2	3.00	89,0	3.50	7,0	100	20,7	300	380	14.96	94,8	28	3,08	2.07	40-61	100
EHF018-64BU-	MXX	100	102	101,6	4.00	115,0	4.53	7,0	100	20,7	300	500	19.68	94,8	28	4,28	2.88	40-61	100

* Additional colors available BK-Black and RD-Red

EHF001

Liquid food discharge



Construction:

Tube: Vegetable oil-resistant NBR, FDA approved material

Reinforcement: High-tensile synthetic textile

Cover: Oil, abrasion, ozone, and weather resistant synthetic rubber

Operating temperature:

-40°C to +80°C
(-40°F to +176°F)

Application:

- Discharge of milk, vegetable oil and beverages

Standards:

Regulation EC 1935/2004
Regulation EC2023/2006
FDA regulation CFR title No.21 art 177.2600

Markets:

- Food transfer
- Food tank truck

Type of couplings:

- Cam and groove
- Combination nipple

Contact coupling manufacturer for attachment procedure and other coupling recommendations

# Part No.			Hose I.D.			Hose O.D.		Max Operating Pressure		Burst Pressure		Weight		Length	
			DN	mm	in	mm	in	bar	psi	bar	psi	kg/m	lbs/ft	mtr	ft
EHF001-12BU-	MXX	100	19	19,0	0.75	30,0	1.18	10,5	150	31	450	0,61	0.41	40-61	100
EHF001-16BU-	MXX	100	25	25,4	1.00	37,0	1.46	10,5	150	31	450	0,79	0.53	40-61	100
EHF001-20BU-	MXX	100	31	31,8	1.25	44,0	1.73	10,5	150	31	450	1,05	0.71	40-61	100
EHF001-24BU-	MXX	100	38	38,1	1.50	51,0	2.00	10,5	150	31	450	1,31	0.88	40-61	100
EHF001-28BU-	MXX	100	45	44,5	1.75	57,5	2.26	10,5	150	31	450	1,51	1.02	40-61	100
EHF001-32BU-	MXX	100	51	50,8	2.00	65,0	2.56	10,5	150	31	450	1,84	1.24	40-61	100
EHF001-40BU-	MXX	100	60	63,5	2.50	77,5	3.05	10,5	150	31	450	2,27	1.53	40-61	100
EHF001-48BU-	MXX	100	80	76,2	3.00	92,0	3.62	10,5	150	31	450	2,93	1.97	40-61	100
EHF001-64BU-	MXX	100	102	101,6	4.00	117,5	4.63	10,5	150	31	450	3,83	2.57	40-61	100

* Additional colors available BK-Black and RD-Red

Food and beverage

Beverage suction & discharge

 Refer to warnings and safety information on pages N-1 – N-16.

Use of damaged hose or improper use may result in bodily injury or property damage. Please consult Eaton catalog or Technical Support for proper application.

EHF020

Alcohol suction & discharge



Construction:

Tube: UHMW-PE
FDA approved material

Reinforcement: High-tensile synthetic textile with steel helical wire

Cover: EPDM rubber

Operating temperature:

-40°C to +80°C
(-40°F to +176°F)

Application:

- For suction and discharge of food containing high percentage of alcohol

Standards:

Regulation EC 1935/2004
Regulation EC2023/2006
FDA regulation CFR title No.21 art 177.2600

Markets:

- Breweries
- Distilleries
- Food processing

Type of couplings:

- Cam and groove
- Combination nipple

Contact coupling manufacturer for attachment procedure and other coupling recommendations

# Part No.																			
	mtr	ft	DN	mm	in	mm	in	bar	psi	bar	psi	mm	in	kPa	in/Hg	kg/m	lbs/ft	mtr	ft
EHF020-12RD-	MXX	100	19	19,0	0.75	31,0	1.22	10,5	150	31	450	75	2.95	94,8	28	0,65	0.44	40-61	100
EHF020-16RD-	MXX	100	25	25,4	1.00	38,0	1.50	10,5	150	31	450	100	3.94	94,8	28	0,86	0.58	40-61	100
EHF020-20RD-	MXX	100	31	31,8	1.25	45,0	1.77	10,5	150	31	450	150	5.91	94,8	28	1,10	0.74	40-61	100
EHF020-24RD-	MXX	100	38	38,1	1.50	52,0	2.05	10,5	150	31	450	200	7.87	94,8	28	1,43	0.96	40-61	100
EHF020-28RD-	MXX	100	45	44,5	1.75	58,5	2.30	10,5	150	31	450	260	10.24	94,8	28	1,75	1.18	40-61	100
EHF020-32RD-	MXX	100	51	50,8	2.00	66,0	2.60	10,5	150	31	450	300	11.81	94,8	28	2,11	1.42	40-61	100
EHF020-40RD-	MXX	100	60	63,5	2.50	78,5	3.09	10,5	150	31	450	400	15.75	94,8	28	2,55	1.71	40-61	100
EHF020-48RD-	MXX	100	80	76,2	3.00	93,0	3.66	10,5	150	31	450	800	31.50	94,8	28	3,47	2.33	40-61	100
EHF020-64RD-	MXX	100	102	101,6	4.00	118,5	4.67	10,5	150	31	450	1200	47.24	94,8	28	4,52	3.04	40-61	100

* Additional colors available BK-Black and BU-Blue

Food and beverage

Beverage suction & discharge

 Refer to warnings and safety information on pages N-1 – N-16.

Use of damaged hose or improper use may result in bodily injury or property damage. Please consult Eaton catalog or Technical Support for proper application.

EHB503

Medium duty beer/wine suction & discharge



Construction:

Tube: EPDM rubber
FDA approved material

Reinforcement: High-tensile synthetic textile with steel helical wire

Cover: EPDM rubber

Operating temperature:

-40°C to +120°C
(-40°F to +248°F)

Application:

- For suction and discharge of beverages such as mineral water, beer, fruit juices, wine and liquor

Standards:

Regulation EC 1935/2004
Regulation EC2023/2006
FDA regulation CFR title No.21 art 177.2600

Markets:

- Food processing
- Tank truck
- Breweries
- Distilleries

Type of couplings:

- Cam and groove
- Combination nipple

Contact coupling manufacturer for attachment procedure and other coupling recommendations

# Part No.																			
	mtr	ft	DN	mm	in	mm	in	bar	psi	bar	psi	mm	in	kPa	in/Hg	kg/m	lbs/ft	mtr	ft
EHB503-12RD-	MXX	100	19	19,0	0.75	31,0	1.22	10,5	150	31	450	60	2.36	94,8	28	0,56	0.38	40-61	100
EHB503-16RD-	MXX	100	25	25,4	1.00	38,0	1.50	10,5	150	31	450	75	2.95	94,8	28	0,72	0.48	40-61	100
EHB503-20RD-	MXX	100	31	31,8	1.25	45,0	1.77	10,5	150	31	450	95	3.74	94,8	28	0,95	0.64	40-61	100
EHB503-24RD-	MXX	100	38	38,1	1.50	52,0	2.05	10,5	150	31	450	110	4.33	94,8	28	1,19	0.80	40-61	100
EHB503-28RD-	MXX	100	45	44,5	1.75	58,5	2.30	10,5	150	31	450	130	5.12	94,8	28	1,36	0.91	40-61	100
EHB503-32RD-	MXX	100	51	50,8	2.00	66,0	2.60	10,5	150	31	450	150	5.91	94,8	28	1,66	1.11	40-61	100
EHB503-40RD-	MXX	100	60	63,5	2.50	78,5	3.09	10,5	150	31	450	280	11.02	94,8	28	2,08	1.40	40-61	100
EHB503-48RD-	MXX	100	80	76,2	3.00	93,0	3.66	10,5	150	31	450	340	13.39	94,8	28	2,68	1.80	40-61	100
EHB503-64RD-	MXX	100	102	101,6	4.00	118,5	4.67	10,5	150	31	450	450	17.72	94,8	28	3,54	2.38	40-61	100

* Additional colors available BK-Black and BU-Blue

Food and beverage

Beverage suction & discharge

 Refer to warnings and safety information on pages N-1 – N-16.

Use of damaged hose or improper use may result in bodily injury or property damage. Please consult Eaton catalog or Technical Support for proper application.

EHT200

Steel spiral PVC



Construction:

Tube: Strong very flexible, smooth, transparent food grade PVC

Reinforcement: Shock resistant galvanized steel spiral wire

Cover: Crushing, abrasion and weather resistant smooth PVC

Operating temperature:

-5°C to +60°C
(+23°F to +140°F)

Application:

• For suction and delivery of water, mineral water, fruit juices, liquids and etc., in shipyards, industries, agricultural and industrial machineries

Standards:

Reg. UE10/2011 and it amendment (EU) N.2016/1416 for contact with foodstuff that requires a simulating liquid type A,B,C,D1 migration tests performed at 40°C for 10 days

Markets:

- Food industry
- Agriculture
- Industry

Type of couplings:

- Cam and groove
- Combination nipple

Always consult coupling manufacturer for coupling specifications and assembly instructions.

Part No.	 Hose I.D.			 Burst Pressure		 Minimum Bend Radius		 Vacuum	 Weight	
	DN	mm	in	bar	psi	mm	in	m/H2O	kg/m	lbs/ft
EHT200-06-M50	10	10,0	0.39	21,0	305	20,0	0.79	9	0,16	0.11
EHT200-08-M50	13	12,7	0.50	21,0	305	25,0	0.98	9	0,18	0.12
EHT200M14-M50	14	14,0	0.55	18,0	261	30,0	1.18	9	0,20	0.13
EHT200-10-M50	16	16,0	0.63	18,0	261	35,0	1.38	9	0,23	0.15
EHT200M18-M50	18	18,0	0.71	18,0	261	40,0	1.57	9	0,28	0.19
EHT200-12-M50	19	19,0	0.75	15,0	218	50,0	1.97	9	0,34	0.23
EHT200-16-M50	25	25,4	1.00	15,0	218	60,0	2.36	9	0,51	0.34
EHT200-20-M30	32	31,8	1.25	13,0	189	75,0	2.95	9	0,65	0.44
EHT200-24-M30	38	38,0	1.50	12,0	174	90,0	3.54	9	0,80	0.54
EHT200-25-M30	40	40,0	1.57	9,0	131	95,0	3.74	9	0,87	0.58
EHT200-28-M30	45	45,0	1.77	9,0	131	105,0	4.13	8	1,10	0.74
EHT200-32-M30	51	50,8	2.00	9,0	131	125,0	4.92	8	1,20	0.81
EHT200-40-M30	63	63,5	2.50	7,0	102	150,0	5.91	7	1,95	1.31
EHT200-48-M30	76	76,0	2.99	6,0	87	195,0	7.68	7	2,50	1.68
EHT200-64-M30	101,4	101,5	4.00	6,0	87	300,0	11.81	6	3,40	2.28
EHT200-80-M30	127	127,0	5.00	6,0	87	385,0	15.16	6	4,70	3.16
EHT200-96-M30	152	152,0	5.98	6,0	87	460,0	18.11	6	6,35	4.27

H285

CLEARFORCE™ – R



Construction:

Tube: Clear PVC
NSF-51 certified
FDA approved material

Reinforcement: 2-spiral fiber

Cover: Clear PVC

Operating temperature:

-26°C to +66°C
(-15°F to +150°F)

Application:

- For food and beverage dispensing
- For spraying and conveying fertilizer and pesticides

Markets:

- Food processing
- Agriculture
- In-plant service

Type of couplings:

- Eaton "E" series (-4, -5, -6, -8, -12, -16)
- 265 "P" series (-4, -5, -6, -8, -12)
- Barbed inserts

Contact coupling manufacturer for attachment procedure and other coupling recommendations

# Part No.			 Hose I.D.			 Hose O.D.		 Max Operating Pressure		 Burst Pressure		 Weight		 Length	
	mtr	ft	DN	mm	in	mm	in	bar	psi	bar	psi	kg/m	lbs/ft	mtr	ft
H28503-		300	5	4,8	0.19	9,5	0.37	17,2	250	70,0	1000	0,07	0.05		300
H28504-		300	6	6,4	0.25	11,3	0.44	17,2	250	70,0	1000	0,09	0.06		300
H28505-		300	8	7,9	0.31	13,5	0.53	17,2	250	70,0	1000	0,11	0.08		300
H28506-		300	10	9,5	0.38	15,1	0.59	15,5	225	62,0	900	0,14	0.09		300
H28508-		300	12	12,7	0.50	19,1	0.75	13,8	200	55,0	800	0,19	0.13		300
H28510-		300	16	15,9	0.62	22,2	0.87	13,8	200	55,0	800	0,23	0.15		300
H28512-		300	19	19,0	0.75	26,2	1.03	10,5	150	41,0	600	0,29	0.20		300
H28516-		200	25	25,4	1.00	33,3	1.31	8,5	125	35,0	500	0,42	0.28		200
H28520-		100	31	31,8	1.25	42,9	1.69	7,0	100	28,0	400	0,76	0.51		100
H28524-		100	38	38,1	1.50	49,2	1.94	7,0	100	28,0	400	0,88	0.60		100
H28532-		100	51	50,8	2.00	63,5	2.50	5,0	75	20,7	300	1,27	0.85		100

Food and beverage

Dry Bulk suction & discharge

 Refer to warnings and safety information on pages N-1 – N-16.

Use of damaged hose or improper use may result in bodily injury or property damage. Please consult Eaton catalog or Technical Support for proper application.

EHF013

Bulk suction & discharge



Construction:

Tube: Abrasion resistant synthetic rubber

Reinforcement: High-tensile synthetic textile with steel helical wire and anti-static copper wire

Cover: Pin-pricked, abrasion, ozone, and weather resistant synthetic rubber

Application:

- For suction and discharge of bulk abrasive products such as sugar, flour, milk powder and granules

Markets:

- Food processing
- Tank truck

Type of couplings:

- Cam and groove
- Combination nipple

Contact coupling manufacturer for attachment procedure and other coupling recommendations

Operating temperature:

-40°C to +70°C
(-40°F to +158°F)

# Part No.																			
	mtr	ft	DN	mm	in	mm	in	bar	psi	bar	psi	mm	in	kPa	in/Hg	kg/m	lbs/ft	mtr	ft
EHF013-16-	MXX	100	25	25,4	1.00	39,0	1.54	10,5	150	31	450	110	4.33	94,8	28	0,90	0.61	40-61	100
EHF013-20-	MXX	100	31	31,8	1.25	45,0	1.77	10,5	150	31	450	135	5.31	94,8	28	1,06	0.71	40-61	100
EHF013-24-	MXX	100	38	38,1	1.50	52,0	2.05	10,5	150	31	450	160	6.30	94,8	28	1,42	0.95	40-61	100
EHF013-32-	MXX	100	51	50,8	2.00	66,0	2.60	10,5	150	31	450	210	8.27	94,8	28	2,01	1.35	40-61	100
EHF013-40-	MXX	100	60	63,5	2.50	78,5	3.09	10,5	150	31	450	270	10.63	94,8	28	2,43	1.63	40-61	100
EHF013-48-	MXX	100	80	76,2	3.00	92,0	3.62	10,5	150	31	450	330	12.99	94,8	28	3,16	2.12	40-61	100
EHF013-56-	MXX	100	90	88.9	3.50	107,0	4.21	10,5	150	31	450	410	16.14	94,8	28	3,77	2.53	40-61	100
EHF013-64-	MXX	100	102	101,6	4.00	120,0	4.72	10,5	150	31	450	470	18.50	94,8	28	4,63	3.11	40-61	100
EHF013-80-	MXX	100	130	127,0	5.00	149,0	5.87	10,5	150	31	450	600	23.62	94,8	28	6,85	4.60	40-61	100
EHF013-96-	MXX	100	150	152,4	6.00	174,5	6.87	10,5	150	31	450	770	30.31	80,0	24	8,91	5.99	40-61	100
EHF013-128-	M20	20	200	203,2	8.00	229,0	4.69	10,5	150	31	450	1200	47.24	80,0	24	13,80	9.28	20	20
EHF013-160-	M10	20	250	254,0	10.00	281,0	11.06	10,5	150	31	450	1520	59.84	80,0	24	17,32	11.64	10	20

*Abrasion loss value acc. DIN53516 ≤120mm³

Channeled, Corrugated and Flat corrugated cover versions available on request

Food and beverage

Dry Bulk discharge

 Refer to warnings and safety information on pages N-1 – N-16.

Use of damaged hose or improper use may result in bodily injury or property damage. Please consult Eaton catalog or Technical Support for proper application.

EHF022

Flat light-duty bulk discharge



Construction:

Tube: Abrasion resistant synthetic rubber

Reinforcement: High-tensile synthetic textile and anti-static copper wire

Cover: Abrasion, ozone, and weather resistant synthetic rubber

Operating temperature:

-40°C to +70°C
(-40°F to +158°F)

Application:

- For discharge of bulk abrasive material for food industry

Markets:

- Food processing
- Tank truck

Type of couplings:

- Cam and groove
- Combination nipple

Contact coupling manufacturer for attachment procedure and other coupling recommendations

# Part No.			 Hose I.D.			 Hose O.D.		 Max Operating Pressure		 Burst Pressure		 Weight		 Length	
	mtr	ft	DN	mm	in	mm	in	bar	psi	bar	psi	kg/m	lbs/ft	mtr	ft
EHF022-32-	MXX	100	51	50,8	2.00	60,4	2.38	5,0	75	15,5	225	0,98	0.66	40-61	100
EHF022-40-	MXX	100	60	63,5	2.50	73,0	2.87	5,0	75	15,5	225	1,20	0.81	40-61	100
EHF022-48-	MXX	100	80	76,2	3.00	86,0	3.39	5,0	75	15,5	225	1,43	0.96	40-61	100
EHF022-50-	MXX	100		80,0	3.15	90,0	3.54	5,0	75	15,5	225	1,49	1.00	40-61	100
EHF022-56-	MXX	100	90	90,0	3.54	100,0	3.94	5,0	75	15,5	225	1,84	1.24	40-61	100
EHF022-64-	MXX	100	102	101,6	4.00	112,0	4.41	5,0	75	15,5	225	2,06	1.38	40-61	100
EHF022-67-	MXX	100		110,0	4.33	120,0	4.72	5,0	75	15,5	225	2,23	1.50	40-61	100
EHF022-80-	MXX	100	130	127,0	5.00	137,0	5.39	5,0	75	15,5	225	2,55	1.71	40-61	100
EHF022-96-	MXX	100	150	152,4	6.00	164,0	6.46	5,0	75	15,5	225	3,61	2.43	40-61	100
EHF022-128-	M20	20	200	203,2	8.00	215,0	8.46	5,0	75	15,5	225	4,77	3.21	20	20

Food and beverage

Cleaning service

 Refer to warnings and safety information on pages N-1 – N-16.

Use of damaged hose or improper use may result in bodily injury or property damage. Please consult Eaton catalog or Technical Support for proper application.

EHF003

Dairy washdown



Construction:

Tube: Synthetic rubber, meets FDA & European requirements

Reinforcement: High-tensile synthetic textile

Cover: Oil, heat, abrasion, ozone and weather resistant synthetic rubber

Operating temperature:

-40°C to +125°C
Steam up to +165°C

(-40°F to +176°F)
Steam up to +329°F

Application:

- For cleaning in food processing plant

Standards:

Regulation EC 1935/2004
Regulation EC2023/2006
FDA regulation CFR title No.21 art 177.2600

Markets:

- Food processing

Type of couplings:

- Barbed inserts

Contact coupling manufacturer for attachment procedure and other coupling recommendations

# Part No.			 Hose I.D.			 Hose O.D.		 Max Operating Pressure Hot Water 80°C		 Max Operating Pressure Steam to +165°C		 Burst Pressure		 Weight		 Length	
	mtr	ft	DN	mm	in	mm	in	bar	psi	bar	psi	bar	psi	kg/m	lbs/ft	mtr	ft
EHF003-06BU-	MXX	100	10	9,5	0.38	20,0	0.79	20,0	300	7,0	100	70,0	1000	0,30	0.20	40-61	100
EHF003-08BU-	MXX	100	12	12,7	0.50	24,0	0.94	20,0	300	7,0	100	70,0	1000	0,41	0.28	40-61	100
EHF003-10BU-	MXX	100	16	15,9	0.62	28,0	1.10	20,0	300	7,0	100	70,0	1000	0,51	0.34	40-61	100
EHF003-12BU-	MXX	100	19	19,0	0.75	31,0	1.22	20,0	300	7,0	100	70,0	1000	0,60	0.40	40-61	100
EHF003-16BU-	MXX	100	25	25,4	1.00	37,0	1.46	20,0	300	7,0	100	70,0	1000	0,68	0.46	40-61	100
EHF003-20BU-	MXX	100	31	31,8	1.25	46,0	1.81	20,0	300	7,0	100	70,0	1000	1,07	0.72	40-61	100
EHF003-24BU-	MXX	100	38	38,1	1.50	53,0	2.09	20,0	300	7,0	100	70,0	1000	1,34	0.90	40-61	100
EHF003-28BU-	MXX	100	45	44,5	1.75	60,0	2.36	20,0	300	7,0	100	70,0	1000	1,57	1.06	40-61	100
EHF003-32BU-	MXX	100	51	50,8	2.00	67,5	2.66	20,0	300	7,0	100	70,0	1000	1,97	1.32	40-61	100
EHF003-40BU-	MXX	100	60	63,5	2.50	81,0	3.19	20,0	300	7,0	100	70,0	1000	2,50	1.68	40-61	100
EHF003-48BU-	MXX	100	80	76,2	3.00	98,0	3.86	20,0	300	7,0	100	70,0	1000	3,66	2.46	40-61	100
EHF003-64BU-	MXX	100	102	101,6	4.00	124,0	4.88	20,0	300	7,0	100	70,0	1000	4,83	3.25	40-61	100

* Additional colors available BK-Black and RD-Red

Gaseous

LPG

H900 UL LPG	F-4
EHG003 Liquid Propane Suction & Discharge	F-5
EHG004 Liquid Propane Suction & Discharge	F-6

Liquid Propane discharge

EHG006 Liquid Propane discharge	F-7
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Nitrogen

EHG001 Nitrogen transfer	F-8
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Gaseous

LPG

H900 UL LPG

Application: Transfer and delivery of propane and butane, and natural gas in open, well ventilated areas (1 psiG max. working pressure): UL 21 Approved

Tube: Nitrile

Reinforcement: Textile braid

Cover: Pin-pricked vinyl nitrile

Temp: -40°C to +60°C, (-40°F to +140°F)

Hose is capable of this rating. LP-Gas should never be elevated above 100°F

Pressure: 24 bar / 350 psi

EHG003 Liquid Propane suction & discharge

Application: Transfer and delivery of propane and butane, and natural gas in open, well ventilated areas (1 psiG max. working pressure): TS EN 1762 TYPE SD

Tube: Static-dissipating NBR

Reinforcement: High-tensile synthetic textile with steel helical wire

Cover: Pin-pricked synthetic rubber

Temp: -30°C to +70°C, (-22°F to +158°F)

Hose is capable of this rating. LP-Gas should never be elevated above 100°F

Pressure: 25 bar / 365 psi

EHG004 Liquid Propane suction & discharge

Application: Transfer and delivery of propane and butane, and natural gas in open, well ventilated areas (1 psiG max. working pressure): TS EN1762 TYPE SD LTS

Tube: Static-dissipating NBR

Reinforcement: High-tensile synthetic textile with steel helical wire

Cover: Pin-pricked synthetic rubber

Temp: -50°C to +70°C, (-58°F to +158°F)

Hose is capable of this rating. LP-Gas should never be elevated above 100°F

Pressure: 25 bar / 365 psi

Liquid propane discharge

EHG006 Liquid Propane discharge

Application: Transfer and delivery of propane and butane, and natural gas in open, well ventilated areas (1 psiG max. working pressure); TS EN 1762 Type D

Tube: Static dissipating ,LPG resistant NBR rubber

Reinforcement: High tensile synthetic textile

Cover: Special pin-pricked synthetic rubber

Temp: -30°C to +70°C, (-22°F to +158°F)

Hose is capable of this rating. LP-Gas should never be elevated above 100°F

Pressure: 25,0 bar / 365 psi

Nitrogen

EHG001 Nitrogen transfer

Application: Transfer and delivery of propane and butane, and natural gas in open, well ventilated areas (1 psiG max. working pressure)

Tube: Synthetic rubber

Reinforcement: High-tensile synthetic textile with steel helical wire

Cover: Pin-pricked synthetic rubber

Temp: -50°C to +70°C, (-58°F to +158°F)

Pressure: 20,7 bar / 300 psi



Safety aware

- Eaton understands that specialty hoses need quality tubes and cover to assure safe hose life. When your jobs requires safety, think Eaton.

Permanent branding for easy identification

- The name of the hose and the working pressure are molded into the hose cover can't rub off. This makes hose selection on the job quicker, easier and safer.

The eaton reputation for quality

- Your assurance of dependable performance.

Gaseous hose - Safety information

Important!

⚠ WARNING: Testing can be dangerous and should be done only by trained personnel using proper tools and procedures. Failure to follow such procedures might result in serious injury, death, or damage to property.

⚠ WARNING: Failure to properly follow the manufacturer's recommended procedures for the care, maintenance, and storage of a particular hose may result in its failure to perform in the manner intended and may result in serious injury, death, or damage to property.

⚠ WARNING: Do not use chemical hose at temperatures or pressures above those recommended by the manufacturer. All operators must be thoroughly trained in the care and use of this hose and must at all times wear protective clothing. A hose or system failure could cause the release of a poisonous, corrosive or flammable material.

⚠ WARNING: Consult with the Coupling Manufacturer to make sure you choose the correct coupling and proper assembly for the application. Such matching of hose and couplings, and assembling of couplings, should be performed only by trained personnel using proper tools and procedures. Failure to follow manufacturer's instructions or failure to use trained personnel may result in serious bodily injury and/or property damage.

⚠ WARNING: Never use a hose to transfer material it is not specifically meant to transfer. Doing so could deteriorate the hose and result in leaking, hose bursting, or end blow-offs. This could lead to serious personal injury or death. Always transfer material in a hose that is designed specifically to transfer that material. This information is listed in this catalog.

⚠ WARNING: Consider both working pressure and pressure surges when determining "maximum" pressure. Failure to select a hose that meets both these requirements could lead to end blow-offs, hose leakage, and hose bursting. The result could be serious injury or death. The Eaton industrial hose you choose must meet or exceed the required working pressure, and must have a safety factor to allow for surge pressure.

⚠ WARNING: Do not use hose at temperatures that exceed the hose temperature rating. Doing so could deteriorate the hose, leading to leaks, hose bursting, and end blow-offs. This could result in serious personal injury or death.

⚠ WARNING: Selection of the proper hose for the application is essential to the proper operation and safe use of the hose and related equipment. Inadequate attention to selection of hose for the application can result in serious bodily injury or property damage. In order to avoid serious bodily injury or property damage resulting from selection of the wrong hose, you should carefully review the information in this catalog.

Gaseous

LPG

 Refer to warnings and safety information on pages N-1 – N-16.

Not to be used for NH₃. Use of damaged hose or improper use may result in bodily injury or property damage. Please consult Eaton catalog or Technical Support for proper application.

H900

UL LPG

UL 21 Approved



Construction:

Tube: Nitrile

Reinforcement:
Textile braid

Cover: Pin-pricked vinyl nitrile

Operating temperature:

-40°C to +60°C
(-40°F to +140°F)

Hose is capable of this rating. LP-Gas should never be elevated above 100°F

Application:

- For transfer and delivery of propane and butane
- Transfer of natural gas in open, well ventilated areas (1 psiG max. working pressure)

Markets:

- LPG delivery vehicles
- Petroleum refineries
- Chemical processing
- Tank truck

Type of couplings:

- “U” series
- Swaged or crimp male couplings

Contact coupling manufacturer for attachment procedure and other coupling recommendations

# Part No.	Hose I.D.		Hose O.D.		Max Operating Pressure		Burst Pressure		Weight		Length				
	mtr	ft	DN	mm	in	mm	in	bar	psi	bar	psi	kg/m	lbs/ft	mtr	ft
H90004-		500R	6	6,4	0.25	14,9	0.59	24,0	350	120	1750	0,18	0.12		500
H90006-		500R	10	9,5	0.38	18,4	0,73	24,0	350	120	1750	0,25	0.17		500
H90008-		500R	12	12,7	0.50	23,3	0,92	24,0	350	120	1750	0,36	0.24		500
H90012-		500R	19	19,0	0.75	31,2	1.23	24,0	350	120	1750	0,61	0.41		500
H90016-		150	25	25,4	1.00	38,1	1.50	24,0	350	120	1750	0,77	0.52		150
H90016-		300R	25	25,4	1.00	38,1	1.50	24,0	350	120	1750	0,77	0.52		300

*Additional lengths available on select items

Not to be used for NH₃. Use of damaged hose or improper use may result in bodily injury or property damage. Please consult Eaton catalog or Technical Support for proper application.

EHG003

Liquid Propane suction & discharge

TS EN 1762 TYPE SD



Construction:

Tube: Static dissipating NBR

Reinforcement: High-tensile synthetic textile with steel helical wire

Cover: Pin-pricked synthetic rubber

Operating temperature:

-30°C to +70°C
(-22°F to +158°F)

Hose is capable of this rating. LP-Gas should never be elevated above 100°F

Application:

- For transfer and delivery of propane and butane
- Transfer of natural gas in open, well ventilated areas (1 psiG max. working pressure)

Markets:

- LPG delivery vehicles
- Petroleum refineries
- Chemical processing
- Tank truck

Type of couplings:

- Swaged or crimp male couplings

Contact coupling manufacturer for attachment procedure and other coupling recommendations

# Part No.	Hose I.D.		Hose O.D.		Max Oper Pressure		Burst Pressure		Minimum Bend Radius		Vacuum		Weight		Length				
																	mtr	ft	DN
EHG003-08-	MXX	100	12	12,7	0.50	23	0.91	25	365	101	1460	90	3.54	80,0	24	0,44	0.30	40-61	100
EHG003-10-	MXX	100	16	15,9	0.62	26	1.02	25	365	101	1460	95	3.74	80,0	24	0,52	0.35	40-61	100
EHG003-12-	MXX	100	19	19,0	0.75	31	1.22	25	365	101	1460	100	3.94	80,0	24	0,68	0.46	40-61	100
EHG003-16-	MXX	100	25	25,4	1.00	38	1.50	25	365	101	1460	150	5.91	80,0	24	0,90	0.61	40-61	100
EHG003-20-	MXX	100	31	31,8	1.25	45	1.77	25	365	101	1460	200	7.87	80,0	24	1,17	0.79	40-61	100
EHG003-24-	MXX	100	38	38,1	1.50	52	2.05	25	365	101	1460	280	11.02	80,0	24	1,50	1.00	40-61	100
EHG003-32-	MXX	100	51	50,8	2.00	67	2.64	25	365	101	1460	350	13.78	80,0	24	2,19	1.47	40-61	100
EHG003-40-	MXX	100	60	63,5	2.50	81	3.19	25	365	101	1460	480	18.90	80,0	24	2,91	1.96	40-61	100
EHG003-48-	MXX	100	80	76,2	3.00	94	3.70	25	365	101	1460	550	21.65	80,0	24	3,58	2.41	40-61	100
EHG003-64	MXX	100	102	101,6	4.00	120	4.72	25	365	101	1460	720	28.35	80,0	24	4,56	3.07	40-61	100

Gaseous

LPG

 Refer to warnings and safety information on pages N-1 – N-16.

Not to be used for NH₃. Use of damaged hose or improper use may result in bodily injury or property damage. Please consult Eaton catalog or Technical Support for proper application.

EHG004

Liquid Propane suction & discharge

TS EN1762 TYPE SD LTS



Construction:

Tube: Static dissipating NBR

Reinforcement: High-tensile synthetic textile with steel helical wire

Cover: Pin-pricked synthetic rubber

Operating temperature:

-50°C to +70°C
(-58°F to +158°F)

Hose is capable of this rating. LP-Gas should never be elevated above 100°F

Application:

- For transfer and delivery of propane and butane
- Transfer of natural gas in open, well ventilated areas (1 psiG max. working pressure)

Markets:

- LPG delivery vehicles
- Petroleum refineries
- Chemical processing
- Tank truck

Type of couplings:

- Swaged or crimp male couplings

Contact coupling manufacturer for attachment procedure and other coupling recommendations

# Part No.																			
	mtr	ft	DN	mm	in	mm	in	bar	psi	bar	psi	mm	in	kPa	in/Hg	kg/m	lbs/ft	mtr	ft
EHG004-08-	MXX	100	12	12,7	0.50	23	0.91	25	365	101	1460	90	3.54	80,0	24	0,44	0.30	40-61	100
EHG004-10-	MXX	100	16	15,9	0.62	26	1.02	25	365	101	1460	95	3.74	80,0	24	0,52	0.35	40-61	100
EHG004-12-	MXX	100	19	19,0	0.75	31	1.22	25	365	101	1460	100	3.94	80,0	24	0,68	0.46	40-61	100
EHG004-16-	MXX	100	25	25,4	1.00	38	1.50	25	365	101	1460	150	5.91	80,0	24	0,90	0.61	40-61	100
EHG004-20-	MXX	100	31	31,8	1.25	45	1.77	25	365	101	1460	200	7.87	80,0	24	1,17	0.79	40-61	100
EHG004-24-	MXX	100	38	38,1	1.50	52	2.05	25	365	101	1460	280	11.02	80,0	24	1,50	1.00	40-61	100
EHG004-32-	MXX	100	51	50,8	2.00	67	2.64	25	365	101	1460	350	13.78	80,0	24	2,19	1.47	40-61	100
EHG004-40-	MXX	100	60	63,5	2.50	81	3.19	25	365	101	1460	480	18.90	80,0	24	2,91	1.96	40-61	100
EHG004-48-	MXX	100	80	76,2	3.00	94	3.70	25	365	101	1460	550	21.65	80,0	24	3,58	2.41	40-61	100
EHG004-64	MXX	100	102	101,6	4.00	120	4.72	25	365	101	1460	720	28.35	80,0	24	4,56	3.07	40-61	100

Gaseous

Liquid propane discharge

 Refer to warnings and safety information on pages N-1 – N-16.

Not to be used for NH₃. Use of damaged hose or improper use may result in bodily injury or property damage. Please consult Eaton catalog or Technical Support for proper application.

EHG006

Liquid Propane discharge

TS EN 1762 TYPE D



Construction:

Tube: Static dissipating, LPG resistant NBR rubber

Reinforcement: High-tensile synthetic textile

Cover: Special pin-pricked synthetic rubber

Application:

- For transfer and delivery of propane and butane
- Transfer of natural gas in open, well ventilated areas (1 psiG max. working pressure)

Markets:

- LPG delivery vehicles
- Petroleum refineries
- Chemical processing
- Tank truck

Type of couplings:

- Eaton Global OTC fittings (sizes -12,-16,-20 and -24)

Contact coupling manufacturer for attachment procedure and other coupling recommendations

Operating temperature:

-30°C to +70°C
(-22°F to +158°F)

Hose is capable of this rating. LP-Gas should never be elevated above 100°F

# Part No.			 Hose I.D.			 Hose O.D.		 Max Operating Pressure		 Burst Pressure		 Minimum Bend Radius		 Weight		 Length	
	mtr	ft	DN	mm	in	mm	in	bar	psi	bar	psi	mm	in	kg/m	lbs/ft	mtr	ft
EHG006-08BK	MXX	100	12	12.7	0.50	23.2	0.91	25.0	365	101	1460	100	3.94	0.39	0.26	40-61	100
EHG006-12BK	MXX	100	19	19.0	0.75	31.0	1.22	25.0	365	101	1460	160	6.30	0.63	0.42	40-61	100
EHG006-16BK	MXX	100	25	25.4	1.00	38.2	1.50	25.0	365	101	1460	200	7.87	0.84	0.56	40-61	100
EHG006-20BK	MXX	100	31	31.8	1.25	45.5	1.79	25.0	365	101	1460	250	9.84	1.05	0.71	40-61	100
EHG006-24BK	MXX	100	38	38.1	1.50	52.9	2.08	25.0	365	101	1460	320	12.60	1.21	0.81	40-61	100
EHG006-32BK	MXX	100	51	50.8	2.00	67.0	2.64	25.0	365	101	1460	400	15.75	1.83	1.23	40-61	100
EHG006-40BK	MXX	100	60	63.5	2.50	81.0	3.19	25.0	365	101	1460	550	21.65	2.50	1.68	40-61	100
EHG006-48BK	MXX	100	80	76.2	3.00	94.0	3.70	25.0	365	101	1460	650	25.59	3.02	2.03	40-61	100
EHG006-64BK	MXX	100	102	101.6	4.00	120.0	4.72	25.0	365	101	1460	800	31.50	3.87	2.60	40-61	100

Gaseous

Nitrogen

 Refer to warnings and safety information on pages N-1 – N-16.

Use of damaged hose or improper use may result in bodily injury or property damage. Please consult Eaton catalog or Technical Support for proper application.

EHG001

Nitrogen transfer

**Construction:**

Tube: Synthetic rubber

Reinforcement: High-tensile synthetic textile

Cover: Synthetic rubber

Operating temperature:

-40°C to +70°C
(-40°F to +158°F)

Application:

- For transfer of nitrogen

Markets:

- Nitrogen tanks
- Tank truck

Type of couplings:

- Swaged or crimp male couplings

Contact coupling manufacturer for attachment procedure and other coupling recommendations

# Part No.			 Hose I.D.			 Hose O.D.		 Max Operating Pressure		 Burst Pressure		 Weight		 Length	
			mtr	ft	DN	mm	in	mm	in	bar	psi	bar	psi	kg/m	lbs/ft
EHG001-08-	MXX	100	12	12,7	0.50	22	0.87	20,7	300	62,0	900	0,33	0.22	40-61	100
EHG001-10-	MXX	100	16	15,9	0.62	25	0.98	20,7	300	62,0	900	0,37	0.25	40-61	100
EHG001-12-	MXX	100	19	19,0	0.75	29	1.14	20,7	300	62,0	900	0,50	0.34	40-61	100
EHG001-16-	MXX	100	25	25,4	1.00	36	1.42	20,7	300	62,0	900	0,67	0.45	40-61	100
EHG001-20-	MXX	100	31	31,8	1.25	44	1.73	20,7	300	62,0	900	0,96	0.65	40-61	100
EHG001-24-	MXX	100	38	38,1	1.50	51	2.01	20,7	300	62,0	900	1,18	0.79	40-61	100
EHG001-28-	MXX	100	45	44,5	1.75	60	2.36	20,7	300	62,0	900	1,63	1.10	40-61	100
EHG001-32-	MXX	100	51	50,8	2.00	65	2.56	20,7	300	62,0	900	1,66	1.12	40-61	100
EHG001-40-	MXX	100	60	63,5	2.50	80	3.15	20,7	300	62,0	900	2,45	1.65	40-61	100
EHG001-48-	MXX	100	80	76,2	3.00	92	3.62	20,7	300	62,0	900	2,65	1.78	40-61	100
EHG001-64-	MXX	100	102	101,6	4.00	118	4.65	20,7	300	62,0	900	3,81	2.56	40-61	100

Additional colors available RD-Red and BU-Blue

Material handling

Slurry and abrasive resistant

EHM001 Coupling and Gaskets	G-4
EHM001 Corrugated Dry Bulk Suction & Discharge	G-5
EHM002 Abrasive Material Suction & Discharge	G-6
EHK013 Abrasion Suction & Discharge	G-7

Dry material

EHK002 Dry Bulk Suction & Discharge	G-8
EHK016 Dry Bulk Discharge	G-9
H0347 WILDCAT™ Dry Material	G-10
H0319 WILDCAT™ Soft Wall Dry Material	G-11
H0349 WILDCAT™ Hot Air Transfer	G-12
EHM003 Hot Air Blower	G-13

Sandblast

EHC501 Sandblast – 35mm ³	G-14
EHC500 Sandblast – 60mm ³	G-15



Material handling

Slurry and abrasive resistant

EHM001 Corrugated dry bulk suction & discharge



Application: S & D of dry bulk materials, sand, gravel & dry cement
Tube: Anti-static natural rubber
Reinforcement: High-tensile synthetic textile with steel helical wire and anti-static copper wire
Cover: Corrugated
Temp: -40°C to +70°C, (-40°F to +158°F)
Pressure: 10,5 bar / 150 psi

EHM002 Abrasive material suction & discharge



Application: S & D of dry bulk materials, sand, gravel and dry cement
Tube: Static dissipating synthetic rubber
Reinforcement: High-tensile synthetic textile with steel helical wire and anti-static copper wire
Cover: Synthetic rubber
Temp: -40°C to +70°C, (-40°F to +158°F)
Pressure: 8-10,5 bar / 116-150 psi

EHK013 Abrasion suction & discharge



Application: S & D abrasive powders, dust, granules, sand, gravel & cement
Tube: Natural rubber
Reinforcement: High-tensile synthetic textile with helical wire and anti-static copper wire
Cover: Pin-pricked synthetic rubber
Temp: -40°C to +70°C, (-40°F to +158°F)
Pressure: 10,5 bar / 150 psi

Dry material

EHK002 Dry Bulk suction & discharge



Application: S & D of dry bulk materials, sand, gravel, dry cement
Tube: Static dissipating synthetic rubber
Reinforcement: High-tensile synthetic textile with helical wire and anti-static copper wire
Cover: Synthetic rubber
Temp: -40°C to +70°C, (-40°F to +158°F)
Pressure: 10,5 bar / 150 psi

EHK016 Dry Bulk discharge



Application: S & D of dry bulk materials, sand, gravel, dry cement
Tube: Static dissipating synthetic rubber
Reinforcement: High-tensile synthetic textile with anti-static copper wire
Cover: Pin-pricked synthetic rubber
Temp: -40°C to +70°C, (-40°F to +158°F)
Pressure: 10,5 bar / 150 psi

H0347 WILDCAT™ Dry material



Application: Transfer of dry bulk, of bottle caps and of cleaning agents. Discharge of abrasive materials
Tube: Static dissipating natural rubber/SBR
Reinforcement: 2-ply fiber with dual helical wires Cover: SBR
Temp: -23°C to +71°C, (-10°F to +160°F)
Pressure: 7 bar / 100 psi

H0319 WILDCAT™ Soft wall dry material



Application: Transfer of dry bulk, of bottle caps and of cleaning agents. Discharge of abrasive materials
Tube: 3/16" tube thickness natural rubber blend
Reinforcement: 2-ply textile and conductive copper static wire
Cover: NR blend
Temp: -40°C to +70°C, (-40°F to +158°F)
Pressure: 5 bar / 75 psi

H0349 WILDCAT™ Hot air transfer



Application: Hot air blower hose; hot, dry, non-oily applications
Tube: EPDM
Reinforcement: Textile with dual helical wires **Cover:** Pin-pricked EPDM
Temp: -34°C to +177°C, (-30°F to +350°F)
Pressure: 7,0-10,5 bar / 100-150 psi

EHM003 Hot air blower



Application: Hot air blower hose; hot, dry, non-oily applications
Tube: EPM **Reinforcement:** High-tensile synthetic textile **Cover:** EPDM
Temp: -40°C to +180°C Intermittent to 200°C (-40°F to +356°F) Intermittent to 392°F
Pressure: 10,5 bar / 150 psi

Sandblast

EHC501 Sandblast – 35mm³



Application: Conveys sand or shot for cleaning purposes, sandblast equipment to clean steel or concrete before painting or sealing
Tube: Static dissipating synthetic rubber
Reinforcement: High-tensile synthetic textile with anti-static copper wire
Cover: Pin-pricked synthetic rubber
Temp: -40°C to +70°C, (-40°F to +158°F)
Pressure: 12,1 bar / 175 psi

EHC500 Sandblast – 60mm³



Application: Conveys sand or shot for cleaning purposes, sandblast equipment to clean steel or concrete before painting or sealing
Tube: Natural rubber
Reinforcement: High-tensile synthetic textile with anti-static copper wire
Cover: Pin-pricked natural and synthetic rubber
Temp: -40°C to +70°C, (-40°F to +158°F)
Pressure: 12,1 bar / 175 psi

Material handling

Introduction and Safety Information



Slurry and abrasive resistant

- Where you are transferring abrasive slurries and dry materials, think longer life. Eaton offers a wide selection of industrial hoses that meet and exceed your job needs.

Flexibility

- Eaton offers channeled, corrugated and wrapped covers so you can decide how much flexibility your job requires.

Eaton value

- Eaton stands behind our products with a commitment for excellence.

Material Handling Hose - Safety information

Important!

⚠ WARNING: Testing can be dangerous and should be done only by trained personnel using proper tools and procedures. Failure to follow such procedures might result in serious injury, death, or damage to property.

⚠ WARNING: Failure to properly follow the manufacturer's recommended procedures for the care, maintenance, and storage of a particular hose may result in its failure to perform in the manner intended and may result in serious injury, death, or damage to property.

⚠ WARNING: Consult with the Coupling Manufacturer to make sure you choose the correct coupling and proper assembly for the application. Such matching of hose and couplings, and assembling of couplings, should be performed only by trained personnel using proper tools and procedures. Failure to follow manufacturer's instructions or failure to use trained personnel may result in serious bodily injury and/or property damage.

⚠ WARNING: Never use a hose to transfer material it is not specifically meant to transfer. Doing so could deteriorate the hose and result in leaking, hose bursting, or end blow-offs. This could lead to serious personal injury or death. Always transfer material in a hose that is designed specifically to transfer that material. This information is listed in this catalog.

⚠ WARNING: Consider both working pressure and pressure surges when determining "maximum" pressure. Failure to select a hose that meets both these requirements could lead to end blow-offs, hose leakage, and hose bursting. The result could be serious injury or death. The Eaton hose you choose must meet or exceed the required working pressure, and must have a safety factor to allow for surge pressure.

⚠ WARNING: Do not use hose at temperatures that exceed the hose temperature rating. Doing so could deteriorate the hose, leading to leaks, hose bursting, and end blow-offs. This could result in serious personal injury or death.

Material handling

Slurry & abrasive resistant

Coupling and gaskets for EHM001

 Refer to warnings and safety information on pages N-1 – N-16.

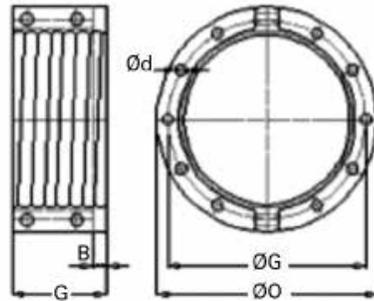
Use of damaged hose or improper use may result in bodily injury or property damage. Please consult Eaton catalog or Technical Support for proper application.

RDSA

EHM001 Couplings and gaskets

Coupling dimensions according to PN 10-DIN 2576

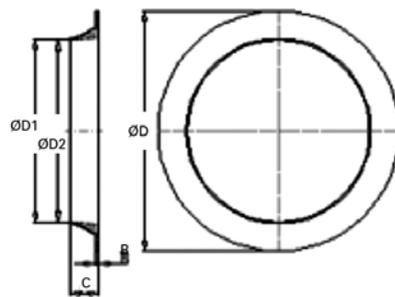
Material: Aluminum



# Part No.	Diameter		ØO	ØG	C	B	Ød	Drilling Number
	mm	in						
RDSA080001	80	3.15	208	160	101	20	18	4
RDSA100001	100	3.94	230	180	102	20	18	4
RDSA125001	125	4.92	250	210	112	24	10	8
RDSA150001	150	5.91	295	240	152	24	22	8
RDSA200001	200	7.87	352	295	171	26	22	8
RDSA250001	250	9.84	405	350	186	28	22	12
RDSA300001	300	11.81	445	400	190	28	22	12

CONTA

Gaskets for frame hose couplings



# Part No.	Diameter		ØD	ØD1	ØD2	C	B
	mm	in					
CONTA08001	80	3.15	118	78	75,5	23,0	3,5
CONTA10001	100	4.00	138	98	95,5	23,0	3,5
CONTA12501	125	5.00	183	123	120,0	31,5	4
CONTA15001	150	6.00	208	148	145,0	31,5	4
CONTA20001	200	8.00	250	198	195,0	31,5	4
CONTA25001	250	10.00	311	248	245,0	37,0	4
CONTA30001	300	12.00	366	292,0	37,0	4	

Material handling

Slurry & abrasive resistant

 Refer to warnings and safety information on pages N-1 – N-16.

Use of damaged hose or improper use may result in bodily injury or property damage. Please consult Eaton catalog or Technical Support for proper application.

EHM001

Corrugated Dry Bulk suction & discharge



Construction:

Tube: Anti-static natural rubber

Reinforcement: High-tensile synthetic textile with steel helical wire and anti-static copper wire

Cover: Corrugated, abrasion, ozone and weather resistant synthetic rubber

Application:

- For suction and discharge of dry bulk materials, sand, gravel and dry cement

Markets:

- Construction
- Cement placement

Type of couplings:

- Frame coupling and gaskets

Contact coupling manufacturer for attachment procedure and other coupling recommendations

Operating temperature:

-40°C to +70°C
(-40°F to +158°F)

# Part No.			 Hose I.D.			 Hose O.D.		 Max Oper Pressure		 Burst Pressure		 Minimum Bend Radius		 Vacuum		 Weight		 Length	
	mtr	ft	DN	mm	in	mm	in	bar	psi	bar	psi	mm	in	kPa	in/Hg	kg/m	lbs/ft	mtr	ft
EHM001-50-	MXX	100	80	80,0	3.15	113,0	4.45	10,5	150	31	450	350	13.78	94,8	28	6,58	4.42	40-61	100
EHM001-64-	MXX	100	102	101,6	4.00	133,0	5.24	10,5	150	31	450	500	19.68	94,8	28	7,66	5.15	40-61	100
EHM001-80-	MXX	100	130	127,0	5.00	158,0	6.22	10,5	150	31	450	650	25.59	94,8	28	9,82	6.60	40-61	100
EHM001-96-	MXX	100	150	152,4	6.00	183,0	7.20	10,5	150	31	450	750	29.53	94,8	28	12,12	8.15	40-61	100
EHM001-128-	M20	20	200	203,2	8.00	234,0	9.21	10,5	150	31	450	1750	68.90	80,0	24	16,59	11.15	20	20
EHM001-160-	M12	20	250	254,0	10.00	286,0	11.26	10,5	150	31	450	2000	78.74	80,0	24	22,18	14.91	12	20
EHM001-192-	M12	20	305	304,8	12.00	341,0	13.43	10,5	150	31	450	2500	98.42	80,0	24	26,52	17.83	12	20

*Coupling sold separately

Material handling

Slurry & abrasive resistant

 Refer to warnings and safety information on pages N-1 – N-16.

Use of damaged hose or improper use may result in bodily injury or property damage. Please consult Eaton catalog or Technical Support for proper application.

EHM002

Abrasive material suction & discharge



Construction:

Tube: Static dissipating synthetic rubber

Reinforcement: High-tensile synthetic textile with steel helical wire and anti-static copper wire

Cover: Abrasion, ozone, and weather resistant synthetic rubber

Operating temperature:

-40°C to +70°C
(-40°F to +158°F)

Application:

- For suction and discharge of dry bulk materials, sand, gravel and dry cement

Markets:

- Construction
- Cement placement

Type of couplings:

- Rubber beaded end with flange

Contact coupling manufacturer for attachment procedure and other coupling recommendations

# Part No.			 Hose I.D.			 Hose O.D.		 Max Oper Pressure		 Burst Pressure		 Minimum Bend Radius		 Vacuum		 Weight		 Length	
	mtr	ft	DN	mm	in	mm	in	bar	psi	bar	psi	mm	in	kPa	in/Hg	kg/m	lbs/ft	mtr	ft
EHM002-48-	M61		80	76,2	3.00	103	4.06	10,5	150	31	450	305	12.00	94,8	28	5,18	3.48	61	
EHM002-64-	M61		102	101,6	4.00	131	5.16	10,5	150	31	450	550	21.65	94,8	28	7,23	4.86	61	
EHM002-80-	M61		130	127,0	5.00	156	6.14	10,5	150	31	450	650	25.59	80,0	24	9,18	6.17	61	
EHM002-96-	M61		150	152,4	6.00	180	7.09	10,5	150	31	450	900	35.43	80,0	24	10,55	7.09	61	
EHM002-128-	M20		200	203,2	8.00	233	9.17	10,5	150	31	450	1200	47.24	80,0	24	15,52	10.43	20	
EHM002-160-	M10		250	254,0	10.00	291	11.46	8,0	116	24	350	1600	62.99	80,0	24	23,50	15.80	10	
EHM002-192-	M10		305	304,8	12.00	333	13.11	8,0	116	24	350	2050	80.71	80,0	24	27,10	18.22	10	

*Coupling sold separately

Material handling

Slurry & abrasive resistant

 Refer to warnings and safety information on pages N-1 – N-16.

Use of damaged hose or improper use may result in bodily injury or property damage. Please consult Eaton catalog or Technical Support for proper application.

EHK013

Abrasion suction & discharge



Construction:

Tube: Beige color, abrasion resistant natural rubber

Reinforcement: High-tensile synthetic textile with steel helical wire and anti-static copper wire

Cover: Pin-pricked, abrasion, ozone, and weather resistant synthetic rubber

Operating temperature:

-40°C to +70°C
(-40°F to +158°F)

Application:

- For suction and discharge of abrasive powders, dust, granules, sand, gravel and cement

Markets:

- Construction
- In-plant transfer
- Tank truck
- Dry cement delivery

Type of couplings:

- Cam and groove
- Combination nipple

Contact coupling manufacturer for attachment procedure and other coupling recommendations

# Part No.																			
	mtr	ft	DN	mm	in	mm	in	bar	psi	bar	psi	mm	in	kPa	in/Hg	kg/m	lbs/ft	mtr	ft
EHK013-16-	MXX	100	25	25,4	1.00	37,0	1.46	10,5	150	31	450	100	3.94	94,8	28	0,60	0.40	40-61	100
EHK013-20-	MXX	100	31	31,8	1.25	44,0	1.73	10,5	150	31	450	125	4.92	94,8	28	0,78	0.52	40-61	100
EHK013-24-	MXX	100	38	38,1	1.50	50,0	1.97	10,5	150	31	450	150	5.91	94,8	28	0,90	0.61	40-61	100
EHK013-32-	MXX	100	51	50,8	2.00	64,5	2.54	10,5	150	31	450	200	7.87	94,8	28	1,35	0.91	40-61	100
EHK013-40-	MXX	100	60	63,5	2.50	77,0	3.03	10,5	150	31	450	250	9.84	94,8	28	1,65	1.11	40-61	100
EHK013-48-	MXX	100	80	76,2	3.00	90,0	3.54	10,5	150	31	450	300	11.81	94,8	28	1,98	1.33	40-61	100
EHK013-56-	MXX	100	90	88,9	3.50	104,0	4.09	10,5	150	31	450	360	14.17	94,8	28	2,43	1.63	40-61	100
EHK013-64-	MXX	100	102	101,6	4.00	118,0	4.65	10,5	150	31	450	450	17.72	94,8	28	3,15	2.11	40-61	100
EHK013-80-	MXX	100	130	127,0	5.00	146,0	5.75	10,5	150	31	450	570	22.44	94,8	28	4,61	3,10	40-61	100
EHK013-96-	MXX	100	150	152,4	6.00	172,0	6.77	10,5	150	31	450	700	27.56	94,8	28	5,73	3.85	40-61	100
EHK013-128-	MXX	20	200	203,2	8.00	225,0	8.86	10,5	150	31	450	990	38.98	80,0	24	8,35	5.61	20-40	20
EHK013-160-	MXX	20	250	254,0	10.00	276,0	10.87	10,5	150	31	450	1440	56.69	80,0	24	10,94	7.35	10	20

Material handling

Dry material

 Refer to warnings and safety information on pages N-1 – N-16.

Use of damaged hose or improper use may result in bodily injury or property damage. Please consult Eaton catalog or Technical Support for proper application.

EHK002

Dry Bulk suction & discharge



Construction:

Tube: Static dissipating synthetic rubber

Reinforcement: High-tensile synthetic textile with steel helical wire and anti-static copper wire

Cover: Abrasion, ozone, and weather resistant synthetic rubber

Application:

- For suction and discharge of dry bulk materials, sand, gravel, dry cement

Markets:

- Construction
- Cement
- Swimming pool

Type of couplings:

- Cam and groove
- Combination nipple

Contact coupling manufacturer for attachment procedure and other coupling recommendations

Operating temperature:

-40°C to +70°C
(-40°F to +158°F)

# Part No.																			
	mtr	ft	DN	mm	in	mm	in	bar	psi	bar	psi	mm	in	kPa	in/Hg	kg/m	lbs/ft	mtr	ft
EHK002-16-	MXX	100	25	25,4	1.00	39,0	1.54	10,5	150	31	450	125	4.92	94,8	28	0,88	0.59	40-61	100
EHK002-20-	MXX	100	31	31,8	1.25	45,0	1.77	10,5	150	31	450	160	6.30	94,8	28	1,05	0.71	40-61	100
EHK002-24-	MXX	100	38	38,1	1.50	52,0	2.05	10,5	150	31	450	190	7.48	94,8	28	1,40	0.94	40-61	100
EHK002-32-	MXX	100	51	50,8	2.00	66,0	2.60	10,5	150	31	450	250	9.84	94,8	28	1,98	1.33	40-61	100
EHK002-40-	MXX	100	60	63,5	2.50	78,5	3.09	10,5	150	31	450	315	12.40	94,8	28	2,31	1.55	40-61	100
EHK002-48-	MXX	100	80	76,2	3.00	92,0	3.62	10,5	150	31	450	380	14.96	94,8	28	3,11	2.09	40-61	100
EHK002-56-	MXX	100	90	88,9	3.50	107,0	4.21	10,5	150	31	450	450	17.72	94,8	28	3,76	2.53	40-61	100
EHK002-64-	MXX	100	102	101,6	4.00	120,0	4.72	10,5	150	31	450	550	21.65	94,8	28	4,55	3.06	40-61	100
EHK002-80-	MXX	100	130	127,0	5.00	149,0	5.87	10,5	150	31	450	700	27.56	94,8	28	6,70	4.50	40-61	100
EHK002-96-	MXX	100	150	152,4	6.00	174,5	6.87	10,5	150	31	450	850	33.46	94,8	28	8,81	5.92	40-61	100
EHK002-128-	M20	20	200	203,2	8.00	229,0	9.02	10,5	150	31	450	1200	47.24	80,0	24	13,69	9.20	20	20
EHK002-160-	M20	20	250	254,0	10.00	281,0	11.06	10,5	150	31	450	1600	62.99	80,0	24	17,16	11.54	20	20

*Abrasion loss value acc. DIN53516 ≤60mm³

Channeled and corrugated cover versions available on request

Material handling

Dry material

 Refer to warnings and safety information on pages N-1 – N-16.

Use of damaged hose or improper use may result in bodily injury or property damage. Please consult Eaton catalog or Technical Support for proper application.

EHK016

Dry Bulk discharge



Construction:

Tube: Static dissipating synthetic rubber

Reinforcement: High-tensile synthetic textile with anti-static copper wire

Cover: Abrasion, ozone, and weather resistant synthetic rubber

Operating temperature:

-40°C to +70°C
(-40°F to +158°F)

Application:

- For suction and discharge of dry bulk materials, sand, gravel, dry cement

Markets:

- Construction
- Cement
- Swimming pool

Type of couplings:

- Cam and groove
- Combination nipple

Contact coupling manufacturer for attachment procedure and other coupling recommendations

# Part No.	Hose I.D.		Hose O.D.		Max Operating Pressure		Burst Pressure		Weight		Length				
													DN	mm	in
EHK016-16-	MXX	100	25	25,4	1.00	37,0	1.46	10,5	150	31,0	450	0,62	0.42	40-61	100
EHK016-20-	MXX	100	31	31,8	1.25	44,0	1.73	10,5	150	31,0	450	0,82	0.55	40-61	100
EHK016-24-	MXX	100	38	38,1	1.50	50,0	1.97	10,5	150	31,0	450	0,95	0.64	40-61	100
EHK016-28-	MXX	100	45	44,5	1.75	58,0	2.28	10,5	150	31,0	450	1,27	0.85	40-61	100
EHK016-32-	MXX	100	51	50,8	2.00	64,5	2.54	10,5	150	31,0	450	1,42	0.95	40-61	100
EHK016-40-	MXX	100	60	63,5	2.50	77,0	3.03	10,5	150	31,0	450	1,73	1.16	40-61	100
EHK016-48-	MXX	100	80	76,2	3.00	90,0	3.54	10,5	150	31,0	450	2,09	1.41	40-61	100
EHK016-56-	MXX	100	90	88,9	3.50	104,0	4.09	10,5	150	31,0	450	2,56	1.72	40-61	100
EHK016-64-	MXX	100	102	101,6	4.00	118,0	4.65	10,5	150	31,0	450	3,25	2.18	40-61	100
EHK016-80-	MXX	100	130	127,0	5.00	146,0	5.75	10,5	150	31,0	450	4,84	3.25	40-61	100
EHK016-96-	MXX	100	150	152,4	6.00	172,0	6.77	10,5	150	31,0	450	6,00	4.03	40-61	100
EHK016-128-	MXX	20	200	203,2	8.00	225,0	8.86	10,5	150	31,0	450	8,71	5.86	20-40	20
EHK016-160-	M20	20	250	254,0	10.00	276,0	10.87	10,5	150	31,0	450	11,40	7.66	20	20

*Abrasion loss value acc. DIN53516 ≤60mm³

Material handling

Dry material

 Refer to warnings and safety information on pages N-1 – N-16.

Use of damaged hose or improper use may result in bodily injury or property damage. Please consult Eaton catalog or Technical Support for proper application.

H0347

WILDCAT™ Dry material formerly Sabertooth



Construction:

Tube: Static dissipating natural rubber/SBR

Reinforcement: 2-ply fiber with dual helical wires

Cover: SBR

Operating temperature:

-23°C to +71°C
(-10°F to +160°F)

Application:

- Transfer of dry bulk
- Discharge of abrasive material
- Transfer of bottle caps
- Transfer of cleaning agents

Markets:

- In-plant transfers
- Tank truck
- Bottling plant
- Coal plant
- Dry cement operations
- Well service

Type of couplings:

- Cam and groove
- Combination nipple

Contact coupling manufacturer for attachment procedure and other coupling recommendations

# Part No.	Hose I.D.		Hose O.D.		Max Operating Pressure		Burst Pressure		Minimum Bend Radius		Vacuum		Weight		Length		
	DN	mm	in	mm	in	bar	psi	bar	psi	mm	in	kPa	in/Hg	kg/m	lbs/ft	mtr	ft
H034748-100	80	76,2	3.00	101,6	4.00	7,0	100	28,0	400	228,6	9.00	94,8	28	4.76	3.20	30,5	100
H034764-100	102	101,6	4.00	127,0	5.00	7,0	100	28,0	400	279,4	11.00	94,8	28	6,55	4.40	30,5	100

Material handling

Dry material

 Refer to warnings and safety information on pages N-1 – N-16.

Use of damaged hose or improper use may result in bodily injury or property damage. Please consult Eaton catalog or Technical Support for proper application.

H0319

WILDCAT™ Soft wall dry material formerly LYNX



Construction:

Tube: 3/16" tube thickness natural rubber blend

Reinforcement: 2-ply textile and conductive copper anti-static wire

Cover: NR blend

Operating temperature:

-40°C to +70°C
(-40°F to +158°F)

Application:

- Transfer of dry bulk
- Discharge of abrasive material
- Transfer of bottle caps
- Transfer of cleaning agents

Markets:

- In-plant transfers
- Tank truck
- Bottling plant
- Coal plant
- Dry cement operations
- Well service

Type of couplings:

- Cam and groove
- Combination nipple

Contact coupling manufacturer for attachment procedure and other coupling recommendations

# Part No.	Hose I.D.			Hose O.D.		Max Operating Pressure		Burst Pressure		Weight		Length	
	DN	mm	in	mm	in	bar	psi	bar	psi	kg/m	lbs/ft	mtr	ft
H031964-100	102	101,6	4.00	117	4.61	5,0	75	20,7	300	3,35	2.25	30,5	100
H031980-100	130	127,0	5.00	144	5.67	5,0	75	20,7	300	4,22	2.84	30,5	100

Material handling

Dry material

 Refer to warnings and safety information on pages N-1 – N-16.

Use of damaged hose or improper use may result in bodily injury or property damage. Please consult Eaton catalog or Technical Support for proper application.

H0349

WILDCAT™ Hot air transfer



Construction:

Tube: EPDM

Reinforcement: Textile with dual helical wires

Cover: Pin-pricked EPDM

Operating temperature:

-34°C to +177°C
(-30°F to +300°F)
Intermittent +350F

Application:

- Hot air blower hose
- Hot, dry, non-oily applications

Markets:

- Construction
- In-plant transfers
- Tank truck
- Dry cement delivery

Type of couplings:

- Cam and groove
- Combination nipple

Contact coupling manufacturer for attachment procedure and other coupling recommendations

# Part No.	Hose I.D.		Hose O.D.		Max Operating Pressure		Burst Pressure		Minimum Bend Radius		Vacuum		Weight		Length		
	DN	mm	in	mm	in	bar	psi	bar	psi	mm	in	kPa	in/Hg	kg/m	lbs/ft	mtr	ft
H034948-100	80	76,2	3.00	90,5	3.56	10,5	150	42	600	350	13.78	81,3	24	2,85	1.92	30,5	100
H034964-100	102	101,6	4.00	116,6	4.59	7,0	100	28	400	460	18.11	81,3	24	3,58	2.41	30,5	100

Material handling

Dry material

 Refer to warnings and safety information on pages N-1 – N-16.

Use of damaged hose or improper use may result in bodily injury or property damage. Please consult Eaton catalog or Technical Support for proper application.

EHM003

Hot air blower



Construction:

Tube: EPM

Reinforcement: High-tensile synthetic textile

Cover: EPDM

Operating temperature:

-40°C to +180°C
Intermittent to 200°C
(-40°F to +356°F)
Intermittent to 392°F

Application:

- Hot air blower hose
- Hot, dry, non-oily applications

Markets:

- Construction
- In-plant transfers
- Tank truck
- Dry cement delivery

Type of couplings:

- Cam and groove
- Combination nipple

Contact coupling manufacturer for attachment procedure and other coupling recommendations

# Part No.			 Hose I.D.			 Hose O.D.		 Max Operating Pressure		 Burst Pressure		 Weight		 Length	
			mtr	ft	DN	mm	in	mm	in	bar	psi	bar	psi	kg/m	lbs/ft
EHM003-16-	MXX	100	25	25,4	1.00	39	1.54	10,5	150	31,0	450	0,83	0.55	40-61	100
EHM003-20-	MXX	100	31	31,8	1.25	46	1.81	10,5	150	31,0	450	1,00	0.67	40-61	100
EHM003-24-	MXX	100	38	38,1	1.50	54	2.13	10,5	150	31,0	450	1,41	0.95	40-61	100
EHM003-32-	MXX	100	51	50,8	2.00	68	2.68	10,5	150	31,0	450	1,96	1.31	40-61	100
EHM003-40-	MXX	100	60	63,5	2.50	81	3.19	10,5	150	31,0	450	2,39	1.61	40-61	100
EHM003-48-	MXX	100	80	76,2	3.00	94	3.70	10,5	150	31,0	450	2,81	1.89	40-61	100
EHM003-64-	MXX	100	102	101,6	4.00	120	4.72	10,5	150	31,0	450	3,85	2.59	40-61	100

Material handling

Sandblast

 Refer to warnings and safety information on pages N-1 – N-16.

Use of damaged hose or improper use may result in bodily injury or property damage. Please consult Eaton catalog or Technical Support for proper application.

EHC501

Sandblast – 35mm³ EN ISO 3861



Construction:

Tube: Static dissipating synthetic rubber

Reinforcement: High-tensile synthetic textile with anti-static copper wire

Cover: Pin-pricked synthetic rubber

Operating temperature:

-40°C to +70°C
(-40°F to +158°F)

Application:

- Conveys sand or shot for cleaning purposes
- Conveys sand from sandblast equipment to clean steel or concrete before painting or sealing

Markets:

- Construction
- Metal working
- Ship building

Type of couplings:

- Sandblast couplings that attach to the O.D. of hose

Contact coupling manufacturer for attachment procedure and other coupling recommendations

# Part No.			 Hose I.D.			 Hose O.D.		 Max Operating Pressure		 Burst Pressure		 Minimum Bend Radius		 Weight		 Length	
	mtr	ft	DN	mm	in	mm	in	bar	psi	bar	psi	mm	in	kg/m	lbs/ft	mtr	ft
EHC501-08-	MXX	100	12	12,7	0.50	25	0.98	12,1	175	36,0	525	125	4.92	0,41	0.27	40-61	100
EHC501-08A-	MXX	100	12	12,7	0.50	27	1.06	12,1	175	36,0	525	125	4.92	0,49	0.33	40-61	100
EHC501-10-	MXX	100	16	15,9	0.62	28	1.10	12,1	175	36,0	525	150	5.91	0,47	0.32	40-61	100
EHC501-10A-	MXX	100	16	15,9	0.62	30	1.18	12,1	175	36,0	525	150	5.91	0,57	0.38	40-61	100
EHC501-12-	MXX	100	19	19,0	0.75	30	1.18	12,1	175	36,0	525	190	7.48	0,48	0.32	40-61	100
EHC501-12A-	MXX	100	19	19,0	0.75	31	1.22	12,1	175	36,0	525	190	7.48	0,53	0.36	40-61	100
EHC501-12B-	MXX	100	19	19,0	0.75	33	1.30	12,1	175	36,0	525	190	7.48	0,65	0.44	40-61	100
EHC501-16-	MXX	100	24	25,4	1.00	39	1.54	12,1	175	36,0	525	250	9.84	0,81	0.55	40-61	100
EHC501-20-	MXX	100	31	31,8	1.25	48	1.89	12,1	175	36,0	525	320	12.60	1,16	0.78	40-61	100
EHC501-24-	MXX	100	38	38,1	1.50	54	2.13	12,1	175	36,0	525	380	14.96	1,33	0.89	40-61	100
EHC501-24A-	MXX	100	38	38,1	1.50	56	2.20	12,1	175	36,0	525	380	14.96	1,53	1.03	40-61	100
EHC501-28-	MXX	100	45	44,5	1.75	60	2.36	12,1	175	36,0	525	445	17.52	1,46	0.98	40-61	100
EHC501-28A-	MXX	10	45	44,5	1.75	63	2.48	12,1	175	36,0	525	445	17.52	1,81	1.22	40-61	100
EHC501-32-	MXX	100	51	50,8	2.00	69	2.72	12,1	175	36,0	525	500	19.68	2,02	1.36	40-61	100
EHC501-32A-	MXX	100	51	50,8	2.00	73	2.87	12,1	175	36,0	525	500	19.68	2,48	1.67	40-61	100
EHC501-40-	MXX	100	60	63,5	2.50	82	3.23	12,1	175	36,0	525	630	24.80	2,63	1.77	40-61	100
EHC501-48-	MXX	100	80	76,2	3.00	96	3.78	12,1	175	36,0	525	760	29.92	3,08	2.07	40-61	100
EHC501-64-	MXX	100	102	101,6	4.00	122	4.80	12,1	175	36,0	525	1000	39.37	4,21	2.83	40-61	100

*Abrasion loss value acc. DIN53516 ≤35mm³

Material handling

Sandblast

 Refer to warnings and safety information on pages N-1 – N-16.

Use of damaged hose or improper use may result in bodily injury or property damage. Please consult Eaton catalog or Technical Support for proper application.

EHC500

Sandblast – 60mm³

EN ISO 3861



Construction:

Tube: Natural rubber

Reinforcement: High-tensile synthetic textile with anti-static copper wire

Cover: Pin-pricked natural and synthetic rubber

Operating temperature:

-40°C to +70°C
(-40°F to +158°F)

Application:

- Conveys sand or shot for cleaning purposes
- Conveys sand from sandblast equipment to clean steel or concrete before painting or sealing

Markets:

- Construction
- Metal working
- Ship building

Type of couplings:

- Sandblast couplings that attach to the O.D. of hose

Contact coupling manufacturer for attachment procedure and other coupling recommendations

# Part No.			 Hose I.D.			 Hose O.D.		 Max Operating Pressure		 Burst Pressure		 Minimum Bend Radius		 Weight		 Length	
	mtr	ft	DN	mm	in	mm	in	bar	psi	bar	psi	mm	in	kg/m	lbs/ft	mtr	ft
EHC500-08-	MXX	100	12	12,7	0.50	25	0.98	12,1	175	36	525	125	4.92	0,41	0.28	40-61	100
EHC500-08A-	MXX	100	12	12,7	0.50	27	1.06	12,1	175	36	52'5	125	4.92	0,50	0.33	40-61	100
EHC500-10-	MXX	100	16	15,9	0.62	28	1.10	12,1	175	36	525	150	5.91	0,48	0.32	40-61	100
EHC500-10A-	MXX	100	16	15,9	0.62	30	1.18	12,1	175	36	525	150	5.91	0,58	0.39	40-61	100
EHC500-12-	MXX	100	19	19,0	0.75	30	1.18	12,1	175	36	525	190	7.48	0,49	0.33	40-61	100
EHC500-12A-	MXX	100	19	19,0	0.75	31	1.22	12,1	175	36	525	190	7.48	0,53	0.36	40-61	100
EHC500-12B-	MXX	100	19	19,0	0.75	33	1.30	12,1	175	36	525	190	7.48	0,65	0.44	40-61	100
EHC500-16-	MXX	100	24	25,4	1.00	39	1.54	12,1	175	36	525	250	9.84	0,81	0.55	40-61	100
EHC500-20-	MXX	100	31	31,8	1.25	48	1.89	12,1	175	36	525	320	12.60	1,16	0.78	40-61	100
EHC500-24-	MXX	100	38	38,1	1.50	54	2.13	12,1	175	36	525	380	14.96	1,34	0.90	40-61	100
EHC500-24A-	MXX	100	38	38,1	1.50	56	2.20	12,1	175	36	525	380	14.96	1,53	1.03	40-61	100
EHC500-28-	MXX	100	45	44,5	1.75	60	2.36	12,1	175	36	525	445	17.52	1,47	0.99	40-61	100
EHC500-28A-	MXX	10	45	44,5	1.75	63	2.48	12,1	175	36	525	445	17.52	1,82	1.22	40-61	100
EHC500-32-	MXX	100	51	50,8	2.00	69	2.72	12,1	175	36	525	500	19.68	2,03	1.36	40-61	100
EHC500-32A-	MXX	100	51	50,8	2.00	73	2.87	12,1	175	36	525	500	19.68	2,48	1.67	40-61	100
EHC500-40-	MXX	100	60	63,5	2.50	82	3.23	12,1	175	36	525	630	24.80	2,63	1.77	40-61	100
EHC500-48-	MXX	100	80	76,2	3.00	96	3.78	12,1	175	36	525	760	29.92	3,09	2.08	40-61	100
EHC500-64-	MXX	100	102	101,6	4.00	122	4.80	12,1	175	36	525	1000	39.37	4,22	2.84	40-61	100

Oil and Gas exploration

Frac and Well service

EHP001 BLACKCAT™ FRAC	H-4
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EC556 Blowout Preventer Hose	H-6

Suction and discharge

EHP004 Heavy Duty Oilfield Liquid Mud S & D	H-7
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EHP009 Oilfield Vacuum	H-9

Discharge

EHP003 Heavy Duty Oilfield Liquid Mud Discharge	H-10
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Oil and Gas exploration

Frac and Well service

EHP001 BLACKCAT™ Frac



Application: Petroleum based fluids, non-potable and salt water, fracturing solutions and slurries

Tube: Nitrile blend (RMA Class A)

Reinforcement: 4-ply polyester fabric

Cover: UHMW-PE abrasion resistant cover

Temp: -40°C to +93°C, (-40°F to +200°F)

Pressure: 28 bar / 400 psi

H0377 Kelly Power drilling



Application: Rotary drilling: portable drilling, work-over rigs and slim hole rigs

Tube: Nitrile/Hypalon blend

Reinforcement: 4-spiral wire

Cover: Neoprene

Temp: -40°C to +121°C, (-40°F to +250°F)

Pressure: 207 bar / 3000 psi

EC556 Blowout preventer hose



Application: Prevention of pressure escape at the wellhead during drilling, on-shore oil and gas exploration

Tube: Oil-resistant nitrile

Reinforcement: High-tensile steel wire

Cover: Flame-resistant rubber

Temp: -40°C to +100°C, (-40°F to +212°F)

Pressure: 350 bar / 5000 psi

Suction and discharge

EHP004 Heavy duty oilfield liquid mud S & D



Application: Suction and discharge of high pressure liquid mud, mineral oils, etc.

Tube: NBR blend

Reinforcement: High-tensile synthetic textile with dual steel helical wire and anti-static copper wire

Cover: CR blend

Temp: -35°C to +80°C, (-31°F to +176°F)

Pressure: 41 bar / 600 psi

EHP007 Oilfield suction



Application: Transfer drilling mud or crude oil, and petroleum products with aromatic content up to 50%

Tube: Nitrile blend

Reinforcement: High-tensile synthetic textile - single steel helical wire; and dual on 8" & 10" with an anti-static copper wire

Cover: Nitrile blend

Temp: -35°C to +70°C, (-31°F to +158°F)

Pressure: 10,5 bar / 150 psi

EHP009 Oilfield vacuum



Application: Transfer applications drilling mud or crude oil. Not recommended for refined petroleum products

Tube: Nitrile blend

Reinforcement: High-tensile synthetic textile with dual steel helical wires

Cover: Corrugated Synthetic rubber

Temp: -30°C to +80°C, (-22°F to +176°F)

Pressure: 10,5 bar / 150 psi

Discharge

EHP003 Heavy duty oilfield liquid mud discharge



Application: Discharge of high pressure liquid mud, mineral oils, etc.

Tube: CR blend

Reinforcement: High-tensile synthetic textile with and anti-static copper wire

Cover: CR blend

Temp: -35°C to +80°C, (-31°F to +176°F)

Pressure: 41 bar / 600 psi

Oil and Gas exploration

Introduction and safety information



Pressure and vacuum rated

- Eaton manufactures braided and spiral hoses using the latest technology in wire and synthetic yarns. As a result, Eaton hoses are pressure and vacuum resistant, as well as flexible and easy to handle.

Quality assured

- Value through design and quality control assures you of maximum performance from Eaton products.

Oil and Gas exploration hose -Safety information

Important!

⚠ WARNING: Testing can be dangerous and should be done only by trained personnel using proper tools and procedures. Failure to follow such procedures might result in serious injury, death, or damage to property.

⚠ WARNING: Failure to properly follow the manufacturer's recommended procedures for the care, maintenance, and storage of a particular hose may result in its failure to perform in the manner intended and may result in serious injury, death, or damage to property.

⚠ WARNING: Never use a hose to transfer material it is not specifically meant to transfer. Doing so could deteriorate the hose and result in leaking, hose bursting, or end blow-offs. This could lead to serious personal injury or death. Always transfer material in a hose that is designed specifically to transfer that material. This information is listed in this catalog.

⚠ WARNING: Consider both working pressure and pressure surges when determining "maximum" pressure. Failure to select a hose that meets both these requirements could lead to end blow-offs, hose leakage, and hose bursting. The result could be serious injury or death. The Eaton hose you choose must meet or exceed the required working pressure, and must have a safety factor to allow for surge pressure.

⚠ WARNING: Do not use hose at temperatures that exceed the hose temperature rating. Doing so could deteriorate the hose, leading to leaks, hose bursting, and end blow-offs. This could result in serious personal injury or death.

⚠ WARNING: Selection of the proper hose for the application is essential to the proper operation and safe use of the hose and related equipment. Inadequate attention to selection of hose for the application can result in serious bodily injury or property damage. In order to avoid serious bodily injury or property damage resulting from selection of the wrong hose, you should carefully review the information in this catalog.

Oil and Gas exploration

Frac and Well service

 Refer to warnings and safety information on pages N-1 – N-16.

Use of damaged hose or improper use may result in bodily injury or property damage. Please consult Eaton catalog or Technical Support for proper application.

EHP001

BLACKCAT™ FRAC



Construction:

Tube: Nitrile blend (RMA Class A)

Reinforcement: 4-ply polyester fabric

Cover: UHMW-PE abrasion resistant cover

Operating temperature:

-40°C to +93°C
(-40°F to +200°F)

Application:

- Petroleum based fluids, non-potable and salt water, fracturing solutions, and slurries

Markets:

- Oil and gas exploration
- Well service
- Fracking industry

Type of couplings:

- King crimp style combination nipples
- One-piece hammer union frac fitting

Contact coupling manufacturer for attachment procedure and other coupling recommendations

# Part No.	Hose I.D.		Hose O.D.		Max Operating Pressure		Burst Pressure		Minimum Bend Radius		Weight		Length		
	DN	mm	in	mm	in	bar	psi	bar	psi	mm	in	kg/m	lbs/ft	mtr	ft
EHP00148	80	76,2	3.00	93,7	3.69	28	400	110	1600	762	30.0	3,08	2.07	15,3	50
EHP00148-100	80	76,2	3.00	93,7	3.69	28	400	110	1600	762	30.0	3,08	2.07	30,5	100
EHP00164	102	101,6	4.00	118,7	4.67	28	400	110	1600	1016	40.0	3,58	2.43	15,3	50
EHP00164-100	102	101,6	4.00	118,7	4.67	28	400	110	1600	1016	40.0	3,58	2.43	30,5	100

Oil and Gas exploration

Frac and Well service

 Refer to warnings and safety information on pages N-1 – N-16.

Use of damaged hose or improper use may result in bodily injury or property damage. Please consult Eaton catalog or Technical Support for proper application.

H0377

Kelly Power drilling



Construction:

Tube: Nitrile/Hypalon blend

Reinforcement:
4-spiral wire

Cover: Neoprene

Operating temperature:

-40°C to +121°C
(-40°F to +250°F)

Application:

- Rotary drilling on portable drilling rigs, work over rigs and slim hole rigs

Markets:

- Oil and gas exploration
- Well service
- Fracking industry

Type of couplings:

- 430 "U" series
- Unions
- Boss male

Contact coupling manufacturer for attachment procedure and other coupling recommendations

# Part No.	DN	Hose I.D.		Hose O.D.		Max Operating Pressure		Burst Pressure		Minimum Bend Radius		Weight		Length	
		mm	in	mm	in	bar	psi	bar	psi	mm	in	kg/m	lbs/ft	mtr	ft
H037732	51	50,8	2.00	66,7	2.63	207	3000	830	12000	635	25.00	4,61	3.10	15,2	50
H037732-100	51	50,8	2.00	66,7	2.63	207	3000	830	12000	635	25.00	4,61	3.10	30,5	100

Oil and Gas exploration

Frac and Well service

 Refer to warnings and safety information on pages N-1 – N-16.

Use of damaged hose or improper use may result in bodily injury or property damage. Please consult Eaton catalog or Technical Support for proper application.

EC556

Blowout preventer hose



Construction:

Tube: Black, oil-resistant synthetic rubber

Reinforcement: Multiple high-tensile wire spiral reinforcement layers

Cover: Red, specially compounded flame-resistant

Operating temperature:

-40°C to +100°C
(-40°F to +212°F)

Application:

- For prevention of pressure escape at the wellhead during drilling-completion operations
- Critical component of blowout preventer system
- On-shore oil and gas exploration

Markets:

- Oil and gas exploration
- Well service
- Fracking industry

Agency Listings:

Lloyd's certified to API 16D flame test requirements

Type of couplings:

- Internal Skive Crimp (ISC) 1W series fitting for all sizes -12,-16-20,-24

Contact coupling manufacturer for attachment procedure and other coupling recommendations

Part No.	Hose I.D.			Hose O.D.		Max Oper Pressure		Burst Pressure		Minimum Bend Radius		Weight		Length	
	DN	mm	in	mm	in	bar	psi	bar	psi	mm	in	kg/m	lbs/ft	mtr	ft
EC556-12	19	19,0	0.75	32,0	1.26	350	5000	1400	20000	280	11.0	1,58	11.4	30,5	100
EC556-16	24	25,4	1.00	38,3	1.50	350	5000	1400	20000	340	13.4	2,00	14.6	30,5	100
EC556-20	32	31,7	1.25	45,1	1.77	350	5000	1400	20000	460	18.1	2,47	17.8	30,5	100
EC556-24	38	38,0	1.50	56,4	2.12	350	5000	1400	20000	500	19.6	4,64	33.5	30,5	100

Oil and Gas exploration

Suction & discharge

 Refer to warnings and safety information on pages N-1 – N-16.

Use of damaged hose or improper use may result in bodily injury or property damage. Please consult Eaton catalog or Technical Support for proper application.

EHP004

Heavy duty oilfield liquid mud suction & discharge



Construction:

Tube: Synthetic rubber

Reinforcement: High-tensile synthetic textile with dual steel helical wire and anti-static copper wire

Cover: CR rubber

Operating temperature:

-35°C to +80°C
(-31°F to +176°F)

Application:

- For suction and discharge of high pressure liquid mud, mineral oils, etc.

Markets:

- Oil rig platform
- Oil and gas exploration

Type of couplings:

- Cam and groove
- Combination nipple

Contact coupling manufacturer for attachment procedure and other coupling recommendations

# Part No.			 Hose I.D.		 Hose O.D.		 Max Oper Pressure		 Burst Pressure		 Minimum Bend Radius		 Vacuum		 Weight		 Length		
	mtr	ft	DN	mm	in	mm	in	bar	psi	bar	psi	mm	in	kPa	in/Hg	kg/m	lbs/ft	mtr	ft
EHP004-64-	MXX	200	102	101,6	4.00	127	5.00	41,0	600	165	2400	1020	40.16	80,0	24	6,91	4.65	40-61	200
EHP004-80-	MXX	200	130	127,0	5.00	153	6.02	41,0	600	165	2400	1279	50.35	80,0	24	9,70	6.52	40-61	200

Oil and Gas exploration

Suction & discharge

 Refer to warnings and safety information on pages N-1 – N-16.

Use of damaged hose or improper use may result in bodily injury or property damage. Please consult Eaton catalog or Technical Support for proper application.

EHP007

Oilfield suction



Construction:

Tube: Nitrile blend

Reinforcement: High-tensile synthetic textile with a single steel helical wire for smaller sizes and dual helical wire available on 8.00" and 10.00" and an anti-static copper wire

Cover: Nitrile/PVC

Application:

- For transfer applications such as drilling mud or crude oil
- For use with petroleum products with aromatic content up to 50%

Markets:

- Oil and gas exploration
- Well service
- Fracking industry

Type of couplings:

- Cam and groove
- Male NPT
- Unions

Contact coupling manufacturer for attachment procedure and other coupling recommendations

Operating temperature:

-35°C to +70°C
(-31°F to +158°F)

# Part No.	Hose I.D.		Hose O.D.		Max Oper Pressure		Burst Pressure		Minimum Bend Radius		Vacuum		Weight		Length				
	mtr	ft	DN	mm	in	mm	in	bar	psi	bar	psi	mm	in	kPa	in/Hg	kg/m	lbs/ft	mtr	ft
EHP007-24-	MXX	100	38	38,1	1.50	49,0	1.93	10,5	150	31	450	110	4.33	94,8	28	1,11	0.75	40-61	100
EHP007-32-	MXX	100	51	50,8	2.00	63,0	2.48	10,5	150	31	450	170	6.69	94,8	28	1,58	1.06	40-61	100
EHP007-40-	MXX	100	60	63,5	2.50	76,0	2.99	10,5	150	31	450	210	8.27	94,8	28	2,04	1.37	40-61	100
EHP007-48-	MXX	100	80	76,2	3.00	89,0	3.50	10,5	150	31	450	230	9.06	94,8	28	2,69	1.81	40-61	100
EHP007-64-	MXX	100	102	101,6	4.00	117,0	4.61	10,5	150	31	450	400	15.75	94,8	28	3,90	2.62	40-61	100
EHP007-96-	MXX	100	150	152,4	6.00	170,0	6.69	10,5	150	31	450	675	26.57	94,8	28	7,56	5.08	40-61	100
EHP007-128-	MXX	20	200	203,2	8.00	228,0	8.98	10,5	150	31	450	1025	40.35	80,0	24	13,79	9.27	10	20
EHP007-128-	MXX	25	200	203,2	8.00	228,0	8.98	10,5	150	31	450	1025	40.35	80,0	24	13,79	9.27	10	25
EHP007-160-	MXX	20	250	254,0	10.00	282,0	11.10	10,5	150	31	450	1450	57.09	80,0	24	18,30	12.30	10	20
EHP007-160-	MXX	25	250	254,0	10.00	282,0	11.10	10,5	150	31	450	1450	57.09	80,0	24	18,30	12.30	10	25

Oil and Gas exploration

Suction & discharge

 Refer to warnings and safety information on pages N-1 – N-16.

Use of damaged hose or improper use may result in bodily injury or property damage. Please consult Eaton catalog or Technical Support for proper application.

EHP009

Oilfield vacuum



Construction:

Tube: Nitrile blend

Reinforcement: High-tensile synthetic textile with dual steel helical wires

Cover: Corrugated SBR blend

Operating temperature:

-30°C to +80°C
(-22°F to +176°F)

Application:

- For transfer applications such as drilling mud or crude oil

Not recommended for refined petroleum products

Markets:

- Oil and gas exploration
- Well service
- Fracking industry

Type of couplings:

- Cam and groove
- Male NPT
- Unions

Contact coupling manufacturer for attachment procedure and other coupling recommendations

# Part No.			 Hose I.D.			 Hose O.D.		 Max Oper Pressure		 Burst Pressure		 Minimum Bend Radius		 Vacuum		 Weight		 Length	
	mtr	ft	DN	mm	in	mm	in	bar	psi	bar	psi	mm	in	kPa	in/Hg	kg/m	lbs/ft	mtr	ft
EHP009-24-	MXX	100	38	38,1	1.50	45,1	1.78	10,5	150	31	450	115	4.53	94,8	28	1,07	0.72	40-61	100
EHP009-32-	MXX	100	51	50,8	2.00	61,1	2.41	10,5	150	31	450	145	5.71	94,8	28	1,58	1.06	40-61	100
EHP009-40-	MXX	100	60	63,5	2.50	80,5	3.17	10,5	150	31	450	195	7.68	94,8	28	2,12	1.42	40-61	100
EHP009-48-	MXX	100	80	76,2	3.00	90,9	3.58	10,5	150	31	450	240	9.45	94,8	28	2,70	1.81	40-61	100
EHP009-64-	MXX	100	102	101,6	4.00	116,4	4.58	10,5	150	31	450	340	13.39	94,8	28	3,87	2.60	40-61	100
EHP009-96-	MXX	100	150	152,4	6.00	171,4	6.75	10,5	150	31	450	650	25.59	80,0	24	7,57	5.09	40-61	100
EHP009-128-	MXX	20	200	203,2	8.00	224,5	8.84	10,5	150	31	450	900	35.43	80,0	24	13,52	9.09	10	20
EHP009-128-	MXX	25	200	203,2	8.00	224,5	8.84	10,5	150	31	450	900	35.43	80,0	24	13,52	9.09	10	25
EHP009-160-	MXX	20	250	254,0	10.00	276,5	10.88	10,5	150	31	450	1400	55.12	80,0	24	17,89	12.02	10	20
EHP009-160-	MXX	25	250	254,0	10.00	276,4	10.88	10,5	150	31	450	1400	55.12	80,0	24	17,89	12.02	10	25

Oil and gas exploration

Discharge

 Refer to warnings and safety information on pages N-1 – N-16.

Use of damaged hose or improper use may result in bodily injury or property damage. Please consult Eaton catalog or Technical Support for proper application.

EHP003

Heavy duty oilfield liquid mud discharge



Construction:

Tube: Synthetic rubber

Reinforcement: High-tensile synthetic textile with and anti-static copper wire

Cover: CR rubber

Operating temperature:

-35°C to +80°C
(-31°F to +176°F)

Application:

- For discharge of high pressure liquid mud, mineral oils, etc.

Markets:

- Oil rig platform
- Oil and gas exploration

Type of couplings:

- Cam and groove

Contact coupling manufacturer for attachment procedure and other coupling recommendations

# Part No.			 Hose I.D.			 Hose O.D.		 Max Oper Pressure		 Burst Pressure		 Minimum Bend Radius		 Weight		 Length	
	mtr	ft	DN	mm	in	mm	in	bar	psi	bar	psi	mm	in	kg/m	lbs/ft	mtr	ft
EHP003-48-	MXX	200	80	76,2	3.00	97	3.82	41,0	600	165	2400	760	29.92	3,73	2.51	40-61	200
EHP003-64-	MXX	200	102	101,6	4.00	126	4.96	41,0	600	165	2400	1020	40.16	5,69	3.83	40-61	200

Petroleum

Aircraft refueling

- EHJ002 Aircraft Refueling Discharge I-5
- EHJ003 Aircraft Refueling Suction & Discharge I-6

Dispensing

- EHP508 Petroleum Dispensing I-7
- EHP509 Petroleum Dispensing I-8

Suction & discharge

- H1193 ROYALFLEX™ Petroleum I-9
- EHP522 Heavy Duty Petroleum/Oil Suction & Discharge I-10
- EHP518 Petroleum/Oil Suction & Discharge I-11
- EHP516 Petroleum/Oil Suction & Discharge I-12

- H0327 JAGUAR™ Heavy Duty Petroleum S & D I-13
- EHP502 High Pressure Petroleum/Oil S & D I-14
- EHP519 PUMA™ Flat Corrugated S & D I-15
- H0363 PUMA™ Suction & Discharge I-16
- EHP542PUMA Flexible flat corrugated S & D I-17
- EHP150 Petroleum/Oil Suction & Discharge I-18
- H0369 BOBCAT™ Corrugated Light Duty I-19
- EHP505 Channeled Petroleum/Oil S & D I-20

Discharge

- EHP517 Petroleum/Oil Discharge I-21
- EHP501 Petroleum/Oil Discharge I-22



Aircraft refueling

EHH002 Aircraft refueling discharge



Application: Ground refueling of aircraft, up to 30% aromatic content:
EN1361 Type C
Tube: NBR rubber
Reinforcement: High-tensile synthetic textile braid
Cover: CR blend
Temp: -30°C to +65°C, (-22°F to +149°F)
Pressure: 20,7 bar / 300 psi

EHH003 Aircraft refueling suction & discharge



Application: Ground aircraft refueling S & D, up to 30% aromatic content:
EN1361 Type E
Tube: Nitrile blend
Reinforcement: High-tensile synthetic textile with a dual steel helical wire, and dual anti-static copper wire
Cover: CR blend
Temp: -30°C to +65°C, (-22°F to +149°F)
Pressure: 20,7 bar / 300 psi

Dispensing

EHP508 Petroleum dispensing



Application: Gasoline dispensing: TS EN 1360 Type 1-M-NT
Tube: NBR blend
Reinforcement: High-tensile synthetic textile and anti-static copper wire
Cover: CR blend
Temp: -30°C to +55°C, (-22°F to +131°F)
Pressure: 16 bar / 232 psi

EHP509 Petroleum dispensing



Application: Gasoline dispensing: UL 330 Type 1
Tube: NBR blend
Reinforcement: High-tensile synthetic textile and anti-static copper wire
Cover: NBR blend
Temp: -40°C to + 85°C, (-40° F to + 185°F)

Suction & discharge

H1193 ROYALFLEX™ petroleum



Application: Transfer of petroleum products
Tube: Nitrile blend
Reinforcement: 100% polyester and helical wire
Cover: Nitrile blend
Temp: -29°C to +82°C, (-20°F to +180°F)
Pressure: 14-21 bar / 200-300 psi

EHP522 Heavy duty petroleum/oil suction & discharge



Application: High-pressure suction and discharge of petroleum products with aromatic content up to 50%
Tube: NBR blend
Reinforcement: High-tensile synthetic textile with helical wire and anti-static copper wire
Cover: NBR blend (RMA Class A)
Temp: -35°C to +70°C, (-31°F to +158°F)
Pressure: 20,7 bar / 300 psi

EHP518 Petroleum/oil suction & discharge



Application: Suction and discharge of petroleum products: EN12115 Type SD
Tube: NBR
Reinforcement: High-tensile synthetic textile steel helical wires and dual anti-static copper wires
Cover: NBR blend
Temp: -20°C to +70°C, (-4°F to +158°F)
Pressure: 16 bar / 230 psi

EHP516 Petroleum/oil suction & discharge



Application: Suction and discharge of petroleum products: EN1761 Type SD
Tube: NBR blend
Reinforcement: High-tensile synthetic textile dual steel helical wires and dual anti-static copper wires
Cover: NBR blend
Temp: -30°C to +70°C, (-22°F to +158°F)
Pressure: 16 bar / 230 psi

H0327 JAGUAR™ Heavy duty petroleum S & D



Application: Suction and discharge of petroleum products
Tube: Vinyl nitrile
Reinforcement: 2-ply fiber with helical wire
Cover: Vinyl nitrile
Temp: -40°C to +82°C, (-40°F to +180°F)
Pressure: 17,2 bar / 250 psi

EHP502 High pressure petroleum/oil S & D



Application: Suction & discharge of petroleum products
Tube: NBR blend
Reinforcement: High-tensile synthetic textile helical wire and anti-static copper wire
Cover: NBR blend
Temp: -35°C to +70°C, (-31°F to +158°F)
Pressure: 17,2 bar / 250 psi

EHP519 PUMA™ Flat corrugated suction & discharge



Application: Suction & discharge of petroleum products
Tube: NBR blend
Reinforcement: High-tensile synthetic textile dual steel helical wires and dual anti-static copper wire
Cover: Flat corrugated NBR blend
Temp: -40°C to +82°C, (-40°F to +180°F)
Pressure: 10,5 bar / 150 psi

H0363 PUMA™ suction & discharge



Application: Suction & discharge of petroleum products
Tube: Vinyl nitrile blend
Reinforcement: Fiber 2- or 4-ply with dual helical wires, anti-static copper wire
Cover: Vinyl nitrile blend
Temp: -40°C to +82°C, (-40°F to +180°F)
Pressure: 10,5 bar / 150 psi

EHP542 PUMA™ Flexible flat corrugated S & D



Application: For suction & discharge of petroleum products with aromatic content up to 50%
Tube: Smooth oil resistant nitrile tube
Reinforcement: High tensile synthetic textile with dual steel helical wire and anti-static copper wire
Cover: Flat corrugated NBR blend
Temp: -40°C to +90°C, (-40°F to +194°F)
Pressure: 17,2 bar / 250 psi

EHP150 Petroleum/oil suction & discharge



Application: Suction & discharge of petroleum products
Tube: NBR blend
Reinforcement: High-tensile synthetic textile with a single steel helical wire and anti-static copper wire
Cover: NBR blend
Temp: -35°C to +70°C, (-31°F to +158°F)
Pressure: 31,5 bar / 150 psi

H0369 BOBCAT™ Corrugated light duty



Application: Transfer and blending of petroleum products; transfer of crude oil, salt water, slurries and non-potable water
Tube: Vinyl nitrile
Reinforcement: 2-ply fiber with dual helical wires
Cover: Corrugated vinyl nitrile blend
Temp: -40°C to +82°C, (-40°F to +180°F)
Pressure: 7,0-10,5 bar / 100-150 psi

EHP505 Channeled petroleum/oil S & D



Application: Suction and discharge of petroleum products with aromatic content up to 50%
Tube: NBR blend
Reinforcement: High-tensile synthetic textile dual steel helical wires and dual anti-static copper wire
Cover: Channeled CR blend
Temp: -30°C to +70°C, (-22°F to +158°F)
Pressure: 10,5 bar / 150 psi

Discharge

EHP517 Petroleum/oil discharge



Application: Discharge of petroleum products, aromatic content up to 50%: TS EN12115 NBR Type D
Tube: NBR blend
Reinforcement: High-tensile synthetic textile and dual anti-static copper wire
Cover: Synthetic rubber
Temp: -20°C to +70°C, (-4°F to +158°F)
Pressure: 16 bar / 230 psi

EHP501 Petroleum/oil discharge



Application: Discharge of petroleum products, aromatic content up to 50%
Tube: NBR blend
Reinforcement: High-tensile synthetic textile and dual anti-static copper wire
Cover: NBR blend
Temp: -30°C to +70°C, (-22°F to +158°F)
Pressure: 10,5 bar / 150 psi

Petroleum

Introduction and Safety Information



Environmental resistance

- The tube and cover materials of the Eaton industrial hose are designed to assure maximum life and top value. They are sophisticated hoses for demanding jobs.

Remove the guesswork from selecting, buying and using critical application hose

- When you are handling hazardous material, it is critical to select the proper hose. Eaton products' high visibility branding and color coding removes the guesswork for hose selection.

Built to make work faster, easier and safer

- Moving and connecting hose several times a day isn't easy work. Each of the industrial hose is designed to be easy to handle as safety and job performance will allow.

The Eaton reputation for quality

- Your assurance of dependable performance.

Petroleum hose - Safety information

Important!

⚠ WARNING: Testing can be dangerous and should be done only by trained personnel using proper tools and procedures. Failure to follow such procedures might result in serious injury, death, or damage to property.

⚠ WARNING: Failure to properly follow the manufacturer's recommended procedures for the care, maintenance, and storage of a particular hose may result in its failure to perform in the manner intended and may result in serious injury, death, or damage to property.

⚠ WARNING: Consult with the Coupling Manufacturer to make sure you choose the correct coupling and proper assembly for the application. Such matching of hose and couplings, and assembling of couplings, should be performed only by trained personnel using proper tools and procedures. Failure to follow manufacturer's instructions or failure to use trained personnel may result in serious bodily injury and/or property damage.

⚠ WARNING: Never use a hose to transfer material it is not specifically meant to transfer. Doing so could deteriorate the hose and result in leaking, hose bursting, or end blow-offs. This could lead to serious personal injury or death. Always transfer material in a hose that is designed specifically to transfer that material. This information is listed in this catalog.

⚠ WARNING: If cover blisters exist, be careful not to pop them. If the hose was damaged in such a way that material was allowed to leak between the cover and inner tube, the blisters may contain this material. If the material is hazardous and splatters when the blisters are popped, it could cause serious physical injury.

⚠ WARNING: Kinks can cause hose to burst, leading to bodily harm.

EHJ002

Aircraft refueling discharge

ISO 1825 Type C



Construction:

Tube: NBR blend

Reinforcement: High-tensile synthetic textile braid

Cover: CR blend

Operating temperature:

-30°C to +65°C
(-22°F to +149°F)

Application:

- For ground refueling of aircraft

For use with petroleum products with aromatic content up to 30%

Markets:

- Aircraft refueling

Type of couplings:

- API couplings

Contact coupling manufacturer for attachment procedure and other coupling recommendations

# Part No.			Hose I.D.			Hose O.D.		Max Oper Pressure		Burst Pressure		Minimum Bend Radius		Weight		Length	
			DN	mm	in	mm	in	bar	psi	bar	psi	mm	in	kg/m	lbs/ft	mtr	ft
EHJ002-12-	MXX	100	19	19,0	0.75	29	1.14	20,7	300	83,0	1200	113	4.45	0,52	0.35	40-61	100
EHJ002-16-	MXX	100	25	25,4	1.00	38	1.50	20,7	300	83,0	1200	150	5.91	0,84	0.56	40-61	100
EHJ002-20-	MXX	100	31	31,8	1.25	45	1.77	20,7	300	83,0	1200	190	7.48	1,00	0.67	40-61	100
EHJ002-24-	MXX	100	38	38,1	1.50	51	2.01	20,7	300	83,0	1200	225	8.86	1,16	0.78	40-61	100
EHJ002-32-	MXX	100	51	50,8	2.00	65	2.56	20,7	300	83,0	1200	275	10.83	1,71	1.15	40-61	100
EHJ002-40-	MXX	100	60	63,5	2.50	79	3.11	20,7	300	83,0	1200	300	11.81	2,07	1.39	40-61	100
EHJ002-48-	MXX	100	80	76,2	3.00	92	3.62	20,7	300	83,0	1200	300	11.81	2,58	1.73	40-61	100
EHJ002-64-	MXX	100	102	101,6	4.00	120	4.72	20,7	300	83,0	1200	450	17.72	3,76	2.53	40-61	100

Petroleum

Aircraft refueling

 Refer to warnings and safety information on pages N-1 – N-16.

Use of damaged hose or improper use may result in bodily injury or property damage. Please consult Eaton catalog or Technical Support for proper application.

EHJ003

Aircraft refueling suction & discharge

ISO 1825 Type E



Construction:

Tube: Nitrile blend

Reinforcement: High-tensile synthetic textile with a dual steel helical wire for smaller sizes and dual helical wire and dual anti-static copper wire

Cover: CR blend

Operating temperature:

-30°C to +65°C
(-22°F to +149°F)

Application:

- For ground refueling and fuel discharge of aircraft

For use with petroleum products with aromatic content up to 30%

Markets:

- Aircraft refueling

Type of couplings:

- API couplings

Contact coupling manufacturer for attachment procedure and other coupling recommendations

# Part No.																			
	mtr	ft	DN	mm	in	mm	in	bar	psi	bar	psi	mm	in	kPa	in/Hg	kg/m	lbs/ft	mtr	ft
EHJ003-12-	MXX	100	19	19,0	0.75	31	1.22	20,7	300	83	1200	113	4.45	94,8	28	0,69	0.46	40-61	100
EHJ003-16-	MXX	100	25	25,4	1.00	39	1.54	20,7	300	83	1200	150	5.91	94,8	28	0,97	0.65	40-61	100
EHJ003-20-	MXX	100	31	31,8	1.25	46	1.81	20,7	300	83	1200	190	7.48	94,8	28	1,22	0.82	40-61	100
EHJ003-24-	MXX	100	38	38,1	1.50	53	2.09	20,7	300	83	1200	225	8.86	94,8	28	1,59	1.07	40-61	100
EHJ003-32-	MXX	100	51	50,8	2.00	67	2.64	20,7	300	83	1200	275	10.83	94,8	28	2,32	1.56	40-61	100
EHJ003-40-	MXX	100	60	63,5	2.50	81	3.19	20,7	300	83	1200	300	11.81	94,8	28	2,86	1.92	40-61	100
EHJ003-48-	MXX	100	80	76,2	3.00	95	3.74	20,7	300	83	1200	300	11.81	94,8	28	3,70	2.49	40-61	100
EHJ003-64-	MXX	100	102	101,6	4.00	123	4.84	20,7	300	83	1200	450	17.72	94,8	28	5,17	3.48	40-61	100

EHP508

Petroleum dispensing

TS EN 1360 Type 1-M-NT



Construction:

Tube: NBR blend

Reinforcement: High-tensile synthetic textile and anti-static copper wire

Cover: CR blend

Operating temperature:

-30°C to 55°C
(-22°F to 131°F)

Application:

- For gasoline dispensing

Markets:

- Petroleum industry
- Oil and gas exploration
- Ship building

Type of couplings:

- Male NPT

Contact coupling manufacturer for attachment procedure and other coupling recommendations

# Part No.			 Hose I.D.			 Hose O.D.		 Max Oper Pressure		 Burst Pressure		 Minimum Bend Radius		 Weight		 Length	
	mtr	ft	DN	mm	in	mm	in	bar	psi	bar	psi	mm	in	kg/m	lbs/ft	mtr	ft
EHP508-08BK-	>M6	100	12	12,7	0.50	21,5	0.85	16,0	232	48,0	696	50	1.97	0,30	0.20	>6	100
EHP508-10BK-	>M6	100	16	15,9	0.62	26,0	1.02	16,0	232	48,0	696	70	2.76	0,43	0.29	>6	100
EHP508-12BK-	>M6	100	19	19,0	0.75	29,0	1.14	16,0	232	48,0	696	95	3.74	0,48	0.32	>6	100
EHP508-16BK-	>M6	100	25	25,4	1.00	36,5	1.43	16,0	232	48,0	696	130	5.12	0,69	0.46	>6	100

*For additional colors use BU-Blue, GR-Green or RD-Red.

Petroleum

Dispensing

 Refer to warnings and safety information on pages N-1 – N-16.

Use of damaged hose or improper use may result in bodily injury or property damage. Please consult Eaton catalog or Technical Support for proper application.

EHP509

Petroleum dispensing

UL 330 Type 1



Construction:

Tube: NBR blend

Reinforcement: High-tensile synthetic textile and anti-static copper wire

Cover: NBR blend

Operating temperature:

-40°C to + 85°C
(-40° F to + 185°F)

Application:

- For gasoline dispensing

Markets:

- Petroleum industry
- Oil and gas exploration
- Ship building

Type of couplings:

- Male NPT

Contact coupling manufacturer for attachment procedure and other coupling recommendations

# Part No.			 Hose I.D.			 Hose O.D.		 Minimum Bend Radius		 Weight		 Length	
			DN	mm	in	mm	in	mm	in	kg/m	lbs/ft	mtr	ft
EHP509-08BK-	>M6	100	12	12,7	0.50	21,5	0.85	89,0	3.50	0,30	0.20	>6	100
EHP509-10BK-	>M6	100	16	15,9	0.62	25,4	1.00	89,0	3.50	0,43	0.29	>6	100
EHP509-12BK-	>M6	100	19	19,0	0.75	28,6	1.13	89,0	3.50	0,48	0.32	>6	100
EHP509-16BK-	>M6	100	25	25,4	1.00	34,9	1.37	89,0	3.50	0,69	0.46	>6	100

Petroleum

Suction & discharge

 Refer to warnings and safety information on pages N-1 – N-16.

Use of damaged hose or improper use may result in bodily injury or property damage. Please consult Eaton catalog or Technical Support for proper application.

H1193

ROYALFLEX™ Petroleum



Construction:

Tube: Nitrile blend

Reinforcement: 100% polyester and helical wire

Cover: Nitrile blend

Operating temperature:

-29°C to +82°C
(-20°F to +180°F)

Application:

- For transfer of petroleum products
- B20 biodiesel applications

Markets:

- Petroleum industry
- Oil exploration
- Tank trucks
- Waste hauling
- Batch plants
- Refineries

Type of couplings:

- Male NPT
- Cam locks

Contact coupling manufacturer for attachment procedure and other coupling recommendations

# Part No.			Hose I.D.		Hose O.D.		Max Oper Pressure		Burst Pressure		Minimum Bend Radius		Vacuum		Weight		Length		
			DN	mm	in	mm	in	bar	psi	bar	psi	mm	in	kPa	in/Hg	kg/m	lbs/ft	mtr	ft
H119324		50	38	38,1	1.50	50,8	2.00	21	300	62	900	152,4	6.00	94,8	28	1,19	0.80		50
H119324-		100	38	38,1	1.50	50,8	2.00	21	300	62	900	152,4	6.00	94,8	28	1,19	0.80		100
H119324-		120	38	38,1	1.50	50,8	2.00	21	300	62	900	152,4	6.00	94,8	28	1,19	0.80		120
H119332		50	51	50,8	2.00	63,5	2.50	21	300	62	900	203,2	8.00	94,8	28	1,64	1.10		50
H119332-		100	51	50,8	2.00	63,5	2.50	21	300	62	900	203,2	8.00	94,8	28	1,64	1.10		100
H119332-		120	51	50,8	2.00	63,5	2.50	21	300	62	900	203,2	8.00	94,8	28	1,64	1.10		120
H119340-		100	60	63,5	2.50	76,2	3.00	21	300	62	900	254,0	10.00	94,8	28	1,99	1.34		100
H119340-		120	60	63,5	2.50	76,2	3.00	21	300	62	900	254,0	10.00	94,8	28	1,99	1.34		120
H119348		50	80	76,2	3.00	88,9	3.50	17	250	52	750	304,8	12.00	94,8	28	2,98	2.00		50
H119348-		100	80	76,2	3.00	88,9	3.50	17	250	52	750	304,8	12.00	94,8	28	2,98	2.00		100
H119348-		120	80	76,2	3.00	88,9	3.50	17	250	52	750	304,8	12.00	94,8	28	2,98	2.00		120
H119364		50	102	101,6	4.00	114,3	4.50	14	200	41	600	406,4	16.00	94,8	28	4,05	2.72		50
H119364-		100	102	101,6	4.00	114,3	4.50	14	200	41	600	406,4	16.00	94,8	28	4,05	2.72		100
H119364-		120	102	101,6	4.00	114,3	4.50	14	200	41	600	406,4	16.00	94,8	28	4,05	2.72		120

Petroleum

Suction & discharge

 Refer to warnings and safety information on pages N-1 – N-16.

Use of damaged hose or improper use may result in bodily injury or property damage. Please consult Eaton catalog or Technical Support for proper application.

EHP522

Heavy duty petroleum/oil suction & discharge



Construction:

Tube: NBR blend

Reinforcement: High-tensile synthetic textile with helical wire and anti-static copper wire

Cover: NBR blend (RMA Class A)

Operating temperature:

-35°C to +70°C
(-31°F to +158°F)

Application:

- For high-pressure petroleum suction and discharge

For use with petroleum products with aromatic content up to 50%

Markets:

- Tank truck
- Paper/pulp industry
- Oil exploration
- Ship building
- Batch plants

Type of couplings:

- Cam and groove
- Combination nipple

Contact coupling manufacturer for attachment procedure and other coupling recommendations

# Part No.																			
	mtr	ft	DN	mm	in	mm	in	bar	psi	bar	psi	mm	in	kPa	in/Hg	kg/m	lbs/ft	mtr	ft
EHP522-16-	MXX	100	25	25,4	1.00	36,8	1.45	20,7	300	62	900	85	3.35	85	25	0,79	0.53	40-61	100
EHP522-20-	MXX	100	31	31,8	1.25	44,0	1.73	20,7	300	62	900	100	3.94	85	25	1,04	0.70	40-61	100
EHP522-24-	MXX	100	38	38,1	1.50	52,2	2.06	20,7	300	62	900	125	4.98	85	25	1,53	1.03	40-61	100
EHP522-28-	MXX	100	45	44,5	1.75	59,3	2.33	20,7	300	62	900	175	6.89	85	25	1,78	1.20	40-61	100
EHP522-32-	MXX	100	51	50,8	2.00	66,8	2.63	20,7	300	62	900	200	7.87	85	25	2,25	1.51	40-61	100
EHP522-40-	MXX	100	60	63,5	2.50	79,9	3.15	20,7	300	62	900	250	9.84	85	25	2,82	1.90	40-61	100
EHP522-48-	MXX	100	80	76,2	3.00	92,0	3.62	20,7	300	62	900	300	11.81	85	25	3,25	2.19	40-61	100
EHP522-56-	MXX	100	90	90,0	3.50	109,2	4.30	20,7	300	62	900	340	13.39	85	25	4,53	3.04	40-61	100
EHP522-64-	MXX	100	102	101,6	4.00	120,0	4.72	20,7	300	62	900	440	17.32	85	25	4,88	3.28	40-61	100
EHP522-80-	MXX	100	130	127,0	5.00	149,8	5.90	20,7	300	62	900	580	22.83	80	24	7,32	4.92	40-61	100
EHP522-96-	MXX	100	150	152,4	6.00	177,2	6.98	20,7	300	62	900	700	27.56	80	24	9,92	6.66	40-61	100

Petroleum

Suction & discharge

 Refer to warnings and safety information on pages N-1 – N-16.

Use of damaged hose or improper use may result in bodily injury or property damage. Please consult Eaton catalog or Technical Support for proper application.

EHP518

Petroleum/oil suction & discharge

EN12115 Type SD



Construction:

Tube: NBR

Reinforcement: High-tensile synthetic textile steel helical wires and dual anti-static copper wires

Cover: NBR blend

Operating temperature:

-20°C to +70°C
(-4°F to +158°F)

Application:

- For suction and discharge of petroleum

For use with petroleum products with aromatic content up to 50%

Markets:

- Petroleum industry
- Paper/pulp industry
- Oil and gas exploration
- Ship building
- Tank trucks
- Waste hauling

Type of couplings:

- Cam and groove
- Combination nipple

Contact coupling manufacturer for attachment procedure and other coupling recommendations

# Part No.			Hose I.D.		Hose O.D.		Max Oper Pressure		Burst Pressure		Minimum Bend Radius		Vacuum		Weight		Length		
			DN	mm	in	mm	in	bar	psi	bar	psi	mm	in	kPa	in/Hg	kg/m	lbs/ft	mtr	ft
EHP518-12-	MXX	100	19	19,0	0.75	31	1.22	16	230	64	920	125	4.92	94,8	28	0,67	0.45	40-61	100
EHP518-16-	MXX	100	25	25,4	1.00	37	1.46	16	230	64	920	150	5.91	94,8	28	0,84	0.56	40-61	100
EHP518-20-	MXX	100	31	31,8	1.25	44	1.73	16	230	64	920	175	6.89	94,8	28	1,04	0.70	40-61	100
EHP518-24-	MXX	100	38	38,1	1.50	51	2.01	16	230	64	920	225	8.86	94,8	28	1,41	0.95	40-61	100
EHP518-32-	MXX	100	51	50,8	2.00	67	2.64	16	230	64	920	275	10.83	94,8	28	2,21	1.49	40-61	100
EHP518-40-	MXX	100	60	63,5	2.50	79	3.11	16	230	64	920	300	11.81	94,8	28	2,74	1.84	40-61	100
EHP518-48-	MXX	100	80	76,2	3.00	92	3.62	16	230	64	920	350	13.78	80,0	24	3,30	2.22	40-61	100
EHP518-64-	MXX	100	102	101,6	4.00	118	4.65	16	230	64	920	450	17.72	80,0	24	4,54	3.05	40-61	100

Petroleum

Suction & discharge

 Refer to warnings and safety information on pages N-1 – N-16.

Use of damaged hose or improper use may result in bodily injury or property damage. Please consult Eaton catalog or Technical Support for proper application.

EHP516

Petroleum/oil suction & discharge

EN1761 Type SD



Construction:

Tube: NBR blend

Reinforcement: High-tensile synthetic textile dual steel helical wires and dual anti-static copper wires

Cover: NBR blend

Operating temperature:

-30°C to +70°C
(-22°F to +158°F)

Application:

- For suction and discharge of petroleum products

For use with petroleum products with aromatic content up to 50%

Markets:

- Petroleum industry
- Paper/pulp industry
- Oil and gas exploration
- Ship building
- Tank trucks
- Waste hauling

Type of couplings:

- Cam and groove
- Combination nipple

Contact coupling manufacturer for attachment procedure and other coupling recommendations

# Part No.																			
	mtr	ft	DN	mm	in	mm	in	bar	psi	bar	psi	mm	in	kPa	in/Hg	kg/m	lbs/ft	mtr	ft
EHP516-12-	MXX	100	19	19,0	0.75	31	1.22	16,0	230	48	690	75	2.95	80,0	24	0,67	0.45	40-61	100
EHP516-16-	MXX	100	25	25,4	1.00	37	1.46	16,0	230	48	690	100	3.94	80,0	24	0,81	0.54	40-61	100
EHP516-20-	MXX	100	31	31,8	1.25	44	1.73	16,0	230	48	690	120	4.72	80,0	24	1,04	0.70	40-61	100
EHP516-24-	MXX	100	38	38,1	1.50	51	2.01	16,0	230	48	690	140	5.51	80,0	24	1,38	0.93	40-61	100
EHP516-32-	MXX	100	51	50,8	2.00	67	2.64	16,0	230	48	690	190	7.48	80,0	24	2,22	1.49	40-61	100
EHP516-40-	MXX	100	60	63,5	2.50	79	3.11	16,0	230	48	690	250	9.84	80,0	24	2,63	1.77	40-61	100
EHP516-48-	MXX	100	80	76,2	3.00	92	3.62	16,0	230	48	690	300	11.81	80,0	24	3,38	2.27	40-61	100
EHP516-64-	MXX	100	102	101,6	4.00	118	4.65	16,0	230	48	690	425	16.73	80,0	24	4,42	2.97	40-61	100
EHP516-80-	MXX	100	130	127,0	5.00	145	5.71	16,0	230	48	690	550	21.65	80,0	24	5,80	3.90	40-61	100
EHP516-96-	MXX	100	150	152,4	6.00	172	6.77	16,0	230	48	690	640	25.20	80,0	24	8,15	5.48	40-61	100

H0327

JAGUAR™ Heavy duty petroleum suction & discharge



Construction:

Tube: Vinyl nitrile

Reinforcement: 2-ply fiber with helical wire

Cover: Vinyl nitrile

Operating temperature:

-40°C to +82°C
(-40°F to +180°F)

Application:

- For suction and discharge of petroleum products
- B20 biodiesel applications

Markets:

- Petroleum industry
- Paper/pulp industry
- Oil and gas exploration
- Ship building
- Tank trucks
- Waste hauling

Type of couplings:

- Cam and groove
- Combination nipple

Contact coupling manufacturer for attachment procedure and other coupling recommendations

# Part No.	Hose I.D.		Hose O.D.		Max Oper Pressure		Burst Pressure		Minimum Bend Radius		Vacuum		Weight		Length				
															mtr	ft			
	mtr	ft	DN	mm	in	mm	in	bar	psi	bar	psi	mm	in	kPa	in/Hg	kg/m	lbs/ft	mtr	ft
H032732-		100	51	50,8	2.00	65,1	2.56	17,2	250	70	1000	127,0	5.00	94,8	28	1,24	0.83		100
H032740-		100	60	63,5	2.50	77,0	3.03	17,2	250	70	1000	190,5	7.50	94,8	28	1,59	1.07		100
H032748-		100	80	76,2	3.00	90,5	3.56	17,2	250	70	1000	203,2	8.00	94,8	28	1,98	1.33		100
H032764-		100	102	101,6	4.00	115,9	4.56	17,2	250	70	1000	317,5	12.50	94,8	28	2,90	1.95		100
H032796-		100	150	152,4	6.00	184,2	7.24	17,2	250	70	1000	762,0	30.00	80,0	24	7,16	4.81		100

Petroleum

Suction & discharge

 Refer to warnings and safety information on pages N-1 – N-16.

Use of damaged hose or improper use may result in bodily injury or property damage. Please consult Eaton catalog or Technical Support for proper application.

EHP502

High pressure petroleum/oil suction & discharge



Construction:

Tube: NBR blend

Reinforcement: High-tensile synthetic textile helical wire and anti-static copper wire

Cover: NBR blend

Operating temperature:

-35°C to +70°C
(-31°F to +158°F)

Application:

- For suction and discharge of petroleum products

For use with petroleum products with aromatic content up to 50%

Markets:

- Petroleum industry
- Paper/pulp industry
- Oil and gas exploration
- Ship building
- Tank trucks
- Waste hauling

Type of couplings:

- Cam and groove
- Combination nipple

Contact coupling manufacturer for attachment procedure and other coupling recommendations

# Part No.																			
	mtr	ft	DN	mm	in	mm	in	bar	psi	bar	psi	mm	in	kPa	in/Hg	kg/m	lbs/ft	mtr	ft
EHP502-16-	MXX	100	25	25,4	1.00	37,0	1.38	17,2	250	52	750	110	4.33	94,8	28	0,80	0.39	40-61	100
EHP502-20-	MXX	100	31	31,8	1.25	44,0	1.73	17,2	250	52	750	145	5.71	94,8	28	1,04	0.58	40-61	100
EHP502-24-	MXX	100	38	38,1	1.50	51,0	2.00	17,2	250	52	750	180	7.09	94,8	28	1,37	0.92	40-61	100
EHP502-28-	MXX	100	45	44,5	1.75	58,0	2.28	17,2	250	52	750	220	8.66	94,8	28	1,62	1.09	40-61	100
EHP502-32-	MXX	100	51	50,8	2.00	65,0	2.56	17,2	250	52	750	265	10.43	94,8	28	1,89	1.27	40-61	100
EHP502-40-	MXX	100	60	63,5	2.50	79,0	3.11	17,2	250	52	750	330	13.00	94,8	28	2,48	1.67	40-61	100
EHP502-48-	MXX	100	80	76,2	3.00	92,0	3.62	17,2	250	52	750	400	15.75	94,8	28	3,26	2.19	40-61	100
EHP502-56-	MXX	100	90	90,0	3.50	107,0	4.21	17,2	250	52	750	475	18.70	94,8	28	4,03	2.71	40-61	100
EHP502-64-	MXX	100	102	101,6	4.00	118,0	4.65	17,2	250	52	750	535	21.06	94,8	28	4,31	2.90	40-61	100
EHP502-80-	MXX	100	130	127,0	5.00	148,0	5.83	17,2	250	52	750	685	27.00	80,0	24	7,01	4.71	40-61	100
EHP502-96-	MXX	100	150	152,4	6.00	175,5	6.91	17,2	250	52	750	840	33.02	80,0	24	9,63	6.47	40-61	100

EHP519

PUMA™ Flat corrugated suction & discharge



Construction:

Tube: NBR blend

Reinforcement: High-tensile synthetic textile dual steel helical wires and dual anti-static copper wire

Cover: Flat corrugated NBR blend

Operating temperature:

-40°C to +82°C
(-40°F to +180°F)

Application:

- For suction and discharge of petroleum

Markets:

- Petroleum industry
- Paper/pulp industry
- Oil and gas exploration
- Ship building
- Tank trucks
- Waste hauling
- Well service

Type of couplings:

- Cam and groove
- Combination nipple

Contact coupling manufacturer for attachment procedure and other coupling recommendations

# Part No.																			
	mtr	ft	DN	mm	in	mm	in	bar	psi	bar	psi	mm	in	kPa	in/Hg	kg/m	lbs/ft	mtr	ft
EHP519-12-	MXX	100	19	19,1	0.75	28,4	1.12	10,5	150	41	600	55	2.17	94,8	28	0,47	0.31	40-61	100
EHP519-16-	MXX	100	25	25,4	1.00	35,2	1.39	10,5	150	41	600	75	2.95	94,8	28	0,62	0.41	40-61	100
EHP519-20-	MXX	100	31	31,8	1.25	43,2	1.70	10,5	150	41	600	90	3.54	94,8	28	0,94	0.63	40-61	100
EHP519-24-	MXX	100	38	38,1	1.50	49,2	1.94	10,5	150	41	600	115	4.53	94,8	28	1.10	0.74	40-61	100
EHP519-32-	MXX	100	51	50,8	2.00	62,8	2.47	10,5	150	41	600	145	5.71	94,8	28	1.51	1.02	40-61	100
EHP519-40-	MXX	100	60	63,5	2.50	78,3	3.08	10,5	150	41	600	195	7.68	94,8	28	2.35	1.58	40-61	100
EHP519-48-	MXX	100	80	76,2	3.00	91,4	3.60	10,5	150	41	600	240	9.45	94,8	28	2.87	1.93	40-61	100
EHP519-64-	MXX	100	102	101,6	4.00	116,8	4.60	10,5	150	41	600	340	13.39	94,8	28	4.05	2.72	40-61	100
EHP519-96-	MXX	100	150	152,4	6.00	174,0	6.85	10,5	150	41	600	650	25.59	94,8	28	9.54	6.41	40-61	100
EHP519-128-	MXX	20	200	203,2	8.00	226,6	8.92	10,5	150	41	600	900	35.43	80,0	24	13.00	8.74	20-40	20,25

Petroleum

Suction & discharge

 Refer to warnings and safety information on pages N-1 – N-16.

Use of damaged hose or improper use may result in bodily injury or property damage. Please consult Eaton catalog or Technical Support for proper application.

H0363

PUMA™ Suction & discharge



Construction:

Tube: Vinyl nitrile blend

Reinforcement: 2- or 4-ply fiber with dual steel helical wire and anti-static copper wire

Cover: Vinyl nitrile blend

Operating temperature:

-40°C to +82°C
(-40°F to +180°F)

Application:

- For suction and discharge of petroleum products

Markets:

- Tank truck
- Paper/pulp industry
- Oil and gas exploration
- Ship building
- Batch plants

Type of couplings:

- Cam and groove
- Combination nipple

Contact coupling manufacturer for attachment procedure and other coupling recommendations

# Part No.			 Hose I.D.		 Hose O.D.		 Max Oper Pressure		 Burst Pressure		 Minimum Bend Radius		 Vacuum		 Weight		 Length		
	mtr	ft	DN	mm	in	mm	in	bar	psi	bar	psi	mm	in	kPa	in/Hg	kg/m	lbs/ft	mtr	ft
H036312BK-		100	19	19,1	0.75	28,8	1.13	10,5	150	42	600	110	4.33	94,8	28	0,59	0.40		100
H036316BK-		100	25	25,4	1.00	38,0	1.50	10,5	150	42	600	152	5.98	94,8	28	0,91	0.61		100
H036320BK-		100	31	31,8	1.25	45,0	1.77	10,5	150	42	600	190	7.48	94,8	28	1,09	0.73		100
H036324BK-		100	38	38,1	1.50	52,5	2.07	10,5	150	42	600	200	7.87	94,8	28	1,44	0.97		100
H036332BK-		100	51	50,8	2.00	65,0	2.56	10,5	150	42	600	255	10.04	94,8	28	2,01	1.35		100
H036340BK-		100	60	63,5	2.50	77,0	3.03	10,5	150	42	600	315	12.40	94,8	28	2,30	1.55		100
H036348BK-		100	80	76,2	3.00	90,5	3.56	10,5	150	42	600	380	14.96	94,8	28	2,93	1.97		100
H036364BK-		100	102	101,6	4.00	116,3	4.58	10,5	150	42	600	510	20.08	94,8	28	3,78	2.54		100
H036396BK-		20	150	152,4	6.00	174,0	6.85	10,5	150	42	600	780	30.71	94,8	28	8,45	5.68		20
H036396BK-		25	150	152,4	6.00	174,0	6.85	10,5	150	42	600	780	90.71	94,8	28	8,45	5.68		25
H03638ABK-		20	200	203,2	8.00	226,8	8.93	10,5	150	42	600	1100	43.31	80,0	24	13,19	8.86		20
H03638ABK-		25	200	203,2	8.00	226,8	8.93	10,5	150	42	600	1100	43.31	80,0	24	13,19	8.86		25

***50 ft. lengths available on select items

EHP542

PUMA™ Flexible flat corrugated suction and discharge



Construction:

Tube: Smooth oil resistant nitrile tube

Reinforcement: High tensile synthetic textile with dual steel helical wire and anti-static copper wire

Cover: Flat corrugated NBR blend

Operating temperature:

-40°C to +90°C
(-40°F to +194°F)

Application:

- For suction and discharge of petroleum products

For use with petroleum products with aromatic content up to 50%

Markets:

- Petroleum industry
- Tank truck
- Oil and gas exploration
- Well service

Type of couplings:

- Cam and groove
- Combination nipple

Contact coupling manufacturer for attachment procedure and other coupling recommendations

# Part No.																			
	mtr	ft	DN	mm	in	mm	in	bar	psi	bar	psi	mm	in	kPa	in/Hg	kg/m	lbs/ft	mtr	ft
EHP542-12	MXX	100	19	19.0	0.75	30.0	1.18	17.2	250	69	1000	19	0.75	94.8	28	0.51	0.34	61	100
EHP542-16	MXX	100	25	25.4	1.00	38.0	1.50	17.2	250	69	1000	25	0.98	94.8	28	0.76	0.51	61	100
EHP542-24	MXX	100	38	38.1	1.50	49.0	1.93	17.2	250	69	1000	38	1.50	94.8	28	0.97	0.65	61	100
EHP542-32	MXX	100	51	50.8	2.00	61.2	2.41	17.2	250	69	1000	51	2.01	94.8	28	1.38	0.93	61	100
EHP542-40	MXX	100	60	63.5	2.50	77.0	3.03	13.8	200	55	800	64	2.50	94.8	28	2.01	1.35	61	100
EHP542-48	MXX	100	80	76.2	3.00	90.0	3.54	13.8	200	55	800	75	2.96	94.8	28	2.45	1.65	61	100
EHP542-64	MXX	100	102	101.6	4.00	116.0	4.57	10.5	150	42	609	102	4.00	94.8	28	3.59	2.41	61	100
EHP542-96	MXX	100	152	152.4	6.00	171.6	6.76	10.5	150	42	609	152	6.00	94.8	28	8.50	5.71	61	100

Petroleum

Suction & discharge

 Refer to warnings and safety information on pages N-1 – N-16.

Use of damaged hose or improper use may result in bodily injury or property damage. Please consult Eaton catalog or Technical Support for proper application.

EHP150

Petroleum/oil suction & discharge



Construction:

Tube: NBR blend

Reinforcement: High-tensile synthetic textile with a single steel helical wire and anti-static copper wire

Cover: Abrasion and weather resistant NBR blend

Operating temperature:

-35°C to +70°C
(-31°F to +158°F)

Application:

- For suction and discharge of petroleum products

For use with petroleum products with aromatic content up to 50%.

Markets:

- Petroleum industry
- Paper/pulp industry
- Oil and gas exploration
- Ship building
- Tank trucks
- Waste hauling
- Batch plants

Type of couplings:

- Cam and groove
- Combination nipple

Contact coupling manufacturer for attachment procedure and other coupling recommendations

# Part No.			 Hose I.D.			 Hose O.D.		 Max Oper Pressure		 Burst Pressure		 Minimum Bend Radius		 Vacuum		 Weight		 Length	
	mtr	ft	DN	mm	in	mm	in	bar	psi	bar	psi	mm	in			kg/m	lbs/ft	mm	ft
EHP150-12BK	MXX	100	19	19,1	0.75	30,6	1.20	10,5	150	31.5	450	90	3.75	94,8	28	0,58	0.39	61	100
EHP150-16BK	MXX	100	25	25,4	1.00	36,8	1.45	10,5	150	31.5	450	110	4.33	94,8	28	0,70	0.48	61	100
EHP150-20BK	MXX	100	32	31,8	1.25	44,2	1.74	10,5	150	31.5	450	140	5.51	94,8	28	0,91	0.61	61	100
EHP150-24BK	MXX	100	38	38,1	1.50	50,0	1.97	10,5	150	31.5	450	170	6.69	94,8	28	1,17	0.79	61	100
EHP150-32BK	MXX	100	51	50,8	2.00	64,2	2.53	10,5	150	31.5	450	250	9.84	94,8	28	1,65	1.11	61	100
EHP150-40BK	MXX	100	64	63,5	2.50	78,5	3.09	10,5	150	31.5	450	310	12.20	94,8	28	2,13	1.43	61	100
EHP150-48BK	MXX	100	76	76,2	3.00	90,4	3.56	10,5	150	31.5	450	380	14.96	94,8	28	2,76	1.86	61	100
EHP150-64BK	MXX	100	102	101,6	4.00	118,6	4.67	10,5	150	31.5	450	510	20.08	94,8	28	4,02	2.71	61	100
EHP150-96BK	MXX	100	152	152,4	6.00	172,0	6.77	10,5	150	31.5	450	790	31.10	94,8	28	7,73	5.20	61	100
EHP150-128BK	MXX	100	203	203,2	8.00	230,5	9.07	10,5	150	31.5	450	1100	43.31	80,0	24	14,36	9.65	61	100

H0369

BOBCAT™ Corrugated light duty



Construction:

Tube: Vinyl nitrile

Reinforcement: 2-ply fiber with dual helical wires

Cover: Corrugated vinyl nitrile blend

Operating temperature:

-40°C to +82°C
(-40°F to +180°F)

Application:

- For transfer and blending of petroleum products
- Transfer of crude oil, salt water, slurries and non-potable water

Markets:

- Petroleum industry
- Oil and gas exploration
- Tank trucks
- Waste hauling
- Batch plants
- Gasoline drop

Type of couplings:

- Cam and groove
- Combination nipple

Contact coupling manufacturer for attachment procedure and other coupling recommendations

# Part No.			 Hose I.D.			 Hose O.D.		 Max Oper Pressure		 Burst Pressure		 Minimum Bend Radius		 Weight		 Length	
	mtr	ft	DN	mm	in	mm	in	bar	psi	bar	psi	mm	in	kg/m	lbs/ft	mtr	ft
H036932RD		50	51	50,8	2.00	63,5	2.50	10,5	150	42,0	600	76,2	3.00	1,18	0.79		50
H036932RD-		100	51	50,8	2.00	63,5	2.50	10,5	150	42,0	600	76,2	3.00	1,18	0.79		100
H036948RD-		100	80	76,2	3.00	88,9	3.50	10,5	150	42,0	600	127,0	5.00	1,86	1.25		100
H036964RD		50	102	101,6	4.00	114,3	4.50	10,5	150	42,0	600	177,8	7.00	2,38	1.60		50
H036964RD-		100	102	101,6	4.00	114,3	4.50	7,0	100	28,0	400	177,8	7.00	2,38	1.60		100

Petroleum

Suction & discharge

 Refer to warnings and safety information on pages N-1 – N-16.

Use of damaged hose or improper use may result in bodily injury or property damage. Please consult Eaton catalog or Technical Support for proper application.

EHP505

Channeled petroleum/oil suction & discharge



Construction:

Tube: NBR blend

Reinforcement: High-tensile synthetic textile dual steel helical wires and dual anti-static copper wire

Cover: Channeled CR blend

Operating temperature:

-30°C to +70°C
(-22°F to +158°F)

Application:

- For suction and discharge of petroleum

For use with petroleum products with aromatic content up to 50%

Markets:

- Petroleum industry
- Paper/pulp industry
- Oil and gas exploration
- Ship building
- Tank trucks
- Waste hauling

Type of couplings:

- Cam and groove
- Combination nipple

Contact coupling manufacturer for attachment procedure and other coupling recommendations

# Part No.																			
	mtr	ft	DN	mm	in	mm	in	bar	psi	bar	psi	mm	in	kPa	in/Hg	kg/m	lbs/ft	mtr	ft
EHP505-12-	MXX	100	19	19,0	0.75	29,0	1.14	10,5	150	31	450	50	1.97	94,8	28	0,49	0.33	40-61	100
EHP505-16-	MXX	100	25	25,4	1.00	35,0	1.38	10,5	150	31	450	70	2.76	94,8	28	0,60	0.40	40-61	100
EHP505-20-	MXX	100	31	31,8	1.25	42,0	1.65	10,5	150	31	450	90	3.54	94,8	28	0,81	0.54	40-61	100
EHP505-24-	MXX	100	38	38,1	1.50	48,0	1.89	10,5	150	31	450	105	4.13	94,8	28	0,95	0.64	40-61	100
EHP505-32-	MXX	100	51	50,8	2.00	63,0	2.48	10,5	150	31	450	150	5.91	94,8	28	1,58	1.06	40-61	100
EHP505-40-	MXX	100	60	63,5	2.50	74,0	2.91	10,5	150	31	450	185	7.28	94,8	28	1,79	1.20	40-61	100
EHP505-48-	MXX	100	80	76,2	3.00	90,0	3.54	10,5	150	31	450	220	8.66	94,8	28	2,57	1.73	40-61	100
EHP505-64-	MXX	100	102	101,6	4.00	117,5	4.63	10,5	150	31	450	300	11.81	94,8	28	4,23	2.84	40-61	100
EHP505-80-	MXX	100	130	127,0	5.00	146,0	5.75	10,5	150	31	450	400	15.75	80,0	24	6,02	4.05	40-61	100
EHP505-96-	MXX	100	150	152,4	6.00	172	6.77	10,5	150	31	450	550	21.65	80,0	24	7,06	4.75	40-61	100

EHP517

Petroleum/oil discharge

TS EN12115 NBR Type D



Construction:

Tube: NBR blend

Reinforcement: High-tensile synthetic textile and dual anti-static copper wire

Cover: NBR blend

Operating temperature:

-20°C to +70°C
(-4°F to +158°F)

Application:

- For discharge of petroleum products

For use with petroleum products with aromatic content up to 50%

Markets:

- Petroleum industry
- Paper/pulp industry
- Oil and gas exploration
- Ship building
- Tank trucks
- Waste hauling

Type of couplings:

- Cam and groove
- Combination nipple

Contact coupling manufacturer for attachment procedure and other coupling recommendations

# Part No.			 Hose I.D.			 Hose O.D.		 Max Oper Pressure		 Burst Pressure		 Minimum Bend Radius		 Weight		 Length	
	mtr	ft	DN	mm	in	mm	in	bar	psi	bar	psi	mm	in	kg/m	lbs/ft	mtr	ft
EHP517-12-	MXX	100	19	19,0	0,75	31	1.22	16,0	230	64,0	920	125	4.92	0,63	0.42	40-61	100
EHP517-16-	MXX	100	25	25,4	1.00	37	1.46	16,0	230	64,0	920	150	5.91	0,78	0.52	40-61	100
EHP517-20-	MXX	100	31	32,0	1.25	44	1.73	16,0	230	64,0	920	175	6.89	0,97	0.65	40-61	100
EHP517-24-	MXX	100	38	38,0	1.50	51	2.01	16,0	230	64,0	920	225	8.86	1,22	0.82	40-61	100
EHP517-32-	MXX	100	51	50,8	2.00	67	2.64	16,0	230	64,0	920	275	10.83	2,01	1.35	40-61	100
EHP517-40-	MXX	100	60	63,5	2.50	79	3.11	16,0	230	64,0	920	300	11.81	2,31	1.55	40-61	100
EHP517-48-	MXX	100	80	76,2	3.00	92	3.62	16,0	230	64,0	920	350	13.78	2,78	1.87	40-61	100
EHP517-64-	MXX	100	102	101,6	4.00	118	4.65	16,0	230	64,0	920	450	17.72	3,82	2.57	40-61	100

Petroleum

Discharge

 Refer to warnings and safety information on pages N-1 – N-16.

Use of damaged hose or improper use may result in bodily injury or property damage. Please consult Eaton catalog or Technical Support for proper application.

EHP501

Petroleum/oil discharge



Construction:

Tube: NBR blend

Reinforcement: High-tensile synthetic textile and dual anti-static copper wire

Cover: NBR blend

Operating temperature:

-30°C to +70°C
(-22°F to +158°F)

Application:

- For discharge of petroleum products

For use with petroleum products with aromatic content up to 50%

Markets:

- Petroleum industry
- Paper/pulp industry
- Oil and gas exploration
- Ship building
- Tank trucks
- Waste hauling

Type of couplings:

- Cam and groove
- Combination nipple

Contact coupling manufacturer for attachment procedure and other coupling recommendations

# Part No.			 Hose I.D.			 Hose O.D.		 Max Oper Pressure		 Burst Pressure		 Weight		 Length	
	mtr	ft	DN	mm	in	mm	in	bar	psi	bar	psi	kg/m	lbs/ft	mtr	ft
EHP501-16-	MXX	100	25	25,4	1.00	35	1.38	10,5	150	31,0	450	0,57	0.38	40-61	100
EHP501-20-	MXX	100	31	32,0	1.25	42	1.65	10,5	150	31,0	450	0,72	0.48	40-61	100
EHP501-24-	MXX	100	38	38,0	1.50	48	1.89	10,5	150	31,0	450	0,86	0.58	40-61	100
EHP501-28-	MXX	100	45	44,5	1.75	55	2.17	10,5	150	31,0	450	1,06	0.71	40-61	100
EHP501-32-	MXX	100	51	50,8	2.00	62	2.44	10,5	150	31,0	450	1,28	0.86	40-61	100
EHP501-40-	MXX	100	60	63,5	2.50	75	2.95	10,5	150	31,0	450	1,63	1.10	40-61	100
EHP501-48-	MXX	100	80	76,2	3.00	88	3.46	10,5	150	31,0	450	1,98	1.33	40-61	100
EHP501-56-	MXX	100	90	90,0	3.50	104	4.09	10,5	150	31,0	450	2,72	1.53	40-61	100
EHP501-64-	MXX	100	102	101,6	4.00	116	4.57	10,5	150	31,0	450	3,19	2.14	40-61	100
EHP501-80-	MXX	100	130	127,0	5.00	143	5.63	10,5	150	31,0	450	4,46	3.00	40-61	100
EHP501-96-	MXX	100	150	152,4	6.00	168	6.61	10,5	150	31,0	450	5,25	3.53	40-61	100

*Product also available in GY=Gray and RD= Red

Specialty

Fire fighting

H5751 & H5752 Chemical BoosterJ-4

Steel mill

EHN002 Steel Mill FG Cooling Water TransferJ-5

EHN003 Steel Mill Non-Flammable HD
Cooling Water TransferJ-6

EHN004 Steel Mill Heavy Duty White
Cooling Water TransferJ-7

EHN005 Steel Mill Medium Duty
Cooling Water TransferJ-8

EHN006 Steel Mill Heavy Duty Ceramic CoatedJ-9

EHN007 Steel Mill Fiberglass Steam TransferJ-10

Road construction

H0372 BLACKCAT™ Hot tar & asphaltJ-11

H9603 Hot tar pumpingJ-12

EHK009 Asphalt suction & discharge.....J-13

Specialized

H969 Hydrocarbon drainJ-14



Fire fighting

H5751 & H5752 Chemical booster

Application: Pressure booster hose on fire fighting equipment
Tube: Synthetic rubber
Reinforcement: 2-textile braid
Cover: Synthetic rubber
Temp: -40°C to +82°C, (-40°F to +180°F)
 Pressure: 55 bar / 800 psi

EHN007 Steel mill fiberglass steam transfer

Application: Discharge of cooling water
Tube: EPM
Reinforcement: High-tensile synthetic textile
Cover: Synthetic rubber and glass fiber
Temp: -20°C to +165°C, (-4°F to +329°F)
Pressure: 7 bar / 100 psi

Steel mill

EHN002 Steel mill FG cooling water transfer

Application: Cooling water transfer
Tube: Synthetic rubber
Reinforcement: High-tensile synthetic textile
Cover: Impregnated synthetic rubber
Temp: -25°C to +75°C, (-13°F to +158°F)
Pressure: 7 bar / 100 psi

EHN003 Steel mill non-flammable HD cooling water transfer

Application: Discharge of cooling water
Tube: EPDM
Reinforcement: High-tensile synthetic textile
Cover: EPDM rubber and glass fiber
Temp: -40°C to +120°C, (-40°F to +248°F)
Pressure: 10,5 bar / 150 psi

EHN004 Steel mill heavy duty white cooling water transfer

Application: Discharge of cooling water
Tube: EPDM
Reinforcement: High-tensile synthetic textile
Cover: EPDM rubber and glass fiber
Temp: -40°C to +125°C, (-40°F to +257°F)
Pressure: 10,5 bar / 150 psi

EHN005 Steel mill medium duty cooling water transfer

Application: Cooling water systems in steel mills and foundries
Tube: EPDM rubber
Reinforcement: High-tensile synthetic textile
Cover: Synthetic rubber and 2 glass fiber
Temp: -40°C to +125°C, (-40°F to +257°F)
Pressure: 6 bar / 85 psi

EHN006 Steel mill heavy duty ceramic coated

Application: Transfer of water and hot water where hose needs to be resistant to heat
Tube: EPDM rubber
Reinforcement: High-tensile synthetic textile
Cover: Ceramic coated EPDM rubber
Temp: -40°C to +125°C, (-40°F to +257°F)
Pressure: 25 bar / 365 psi

Road construction

H0372 BLACKCAT™ Hot tar & asphalt

Application: Suction & discharge of tar and asphalt
Tube: Nitrile
Reinforcement: 2-ply fiberglass with helical wire
Cover: Neoprene
Temp: +177°C Intermittent, (+350°F) up to +400°F
Pressure: 13,8 bar / 200 psi

H9603 Hot tar pumping

Application: Hot tar projects
Tube: Nitrile (RMA Class A)
Reinforcement: 2-wire braid
Cover: Pin-pricked CPE
Temp: +177°C Intermittent, (+350°F)
Pressure: 17,2 bar / 250 psi

EHK009 Asphalt s & d

Application: Suction & discharge of tar and asphalt
Tube: Synthetic rubber
Reinforcement: High-tensile synthetic textile dual helical wire with anti-static copper wire
Cover: Synthetic rubber
Temp: -40°C to +180°C, (-40°F to +356°F)
Pressure: 18 bar / 260 psi

Specialized - Hydrocarbon

H969 Hydrocarbon drain

Application: Hydrocarbon drain service
Tube: Nitrile (RMA Class A)
Reinforcement: 2-wire braid
Cover: Pin-pricked chlorinated polyethylene
Temp: +177°C, (+350°F)
Pressure: 21 bar / 300 psi



Remove the guesswork from selecting, buying and using critical application hose

- When you're handling easily contaminated or hazardous material, it is critical to select the proper hose. The high visibility branding and color coding of Eaton removes the guesswork for hose selection.

Environmental resistance

- The tube and cover materials of Eaton industrial hose products are designed to assure maximum hose life at a superior value to the customer. Specialty service Eaton hoses are sophisticated transfer products for demanding jobs. Exceptional aging, weathering and heat resistant properties keep the hose flexible and easy to use.

Permanent branding for easy identification

- The name of the hose and the working pressure are molded into the hose cover can't rub off. This makes hose selection on the job quicker, easier and safer.

The Eaton reputation for quality

- Your assurance of dependable performance.

Specialty hose - Safety information

Important!

⚠ WARNING: Testing can be dangerous and should be done only by trained personnel using proper tools and procedures. Failure to follow such procedures might result in serious injury, death, or damage to property.

⚠ WARNING: Failure to properly follow the manufacturer's recommended procedures for the care, maintenance, and storage of a particular hose may result in its failure to perform in the manner intended and may result in serious injury, death, or damage to property.

⚠ WARNING: Do not use chemical hose at temperatures or pressures above those recommended by the manufacturer. All operators must be thoroughly trained in the care and use of this hose and must at all times wear protective clothing. A hose or system failure could cause the release of a poisonous, corrosive or flammable material.

⚠ WARNING: Consult with the Coupling Manufacturer to make sure you choose the correct coupling and proper assembly for the application. Such matching of hose and couplings, and assembling of couplings, should be performed only by trained personnel using proper tools and procedures. Failure to follow manufacturer's instructions or failure to use trained personnel may result in serious bodily injury and/or property damage.

⚠ WARNING: Never use a hose to transfer material it is not specifically meant to transfer. Doing so could deteriorate the hose and result in leaking, hose bursting, or end blow-offs. This could lead to serious personal injury or death. Always transfer material in a hose that is designed specifically to transfer that material. This information is listed in this catalog.

⚠ WARNING: Consider both working pressure and pressure surges when determining "maximum" pressure. Failure to select a hose that meets both these requirements could lead to end blow-offs, hose leakage, and hose bursting. The result could be serious injury or death. The Eaton industrial hose you choose must meet or exceed the required working pressure, and must have a safety factor to allow for surge pressure.

⚠ WARNING: Do not use hose at temperatures that exceed the hose temperature rating. Doing so could deteriorate the hose, leading to leaks, hose bursting, and end blow-offs. This could result in serious personal injury or death.

⚠ WARNING: Selection of the proper hose for the application is essential to the proper operation and safe use of the hose and related equipment. Inadequate attention to selection of hose for the application can result in serious bodily injury or property damage. In order to avoid serious bodily injury or property damage resulting from selection of the wrong hose, you should carefully review the information in this catalog.

Specialty

Fire fighting

 Refer to warnings and safety information on pages N-1 – N-16.

Use of damaged hose or improper use may result in bodily injury or property damage. Please consult Eaton catalog or Technical Support for proper application.

H5751 & H5752 Chemical booster



Construction:

Tube: Synthetic rubber

Reinforcement: 2 textile braid

Cover: Synthetic rubber

Operating temperature:

-40°C to +82°C
(-40°F to +180°F)

Application:

- For pressure booster hose on fire fighting equipment

Markets:

- Fire fighting

Type of couplings:

- Spanner hole type
- Barway

Contact coupling manufacturer for attachment procedure and other coupling recommendations

# Part No.	 Hose I.D.					 Hose O.D.		 Max Oper Pressure		 Burst Pressure		 Weight		 Length	
	mtr	ft	DN	mm	in	mm	in	bar	psi	bar	psi	kg/m	lbs/ft	mtr	ft
H5751															
H5751-*		50 or 100	19	19,0	0.75	31,8	1.25	55,0	800	165	2400	0,83	0.56		50, 100
H5751-*		150 or 200	19	19,0	0.75	31,8	1.25	55,0	800	165	2400	0,83	0.56		150, 200
H5752															
H5752-*		50 or 100	25	25,4	1.00	40,5	1.59	55,0	800	165	2400	1,20	0.81		50, 100
H5752-*		150 or 200	25	25,4	1.00	40,5	1.59	55,0	800	165	2400	1,20	0.81		150, 200

*Product is available as a MTO—Make to Order

EHN002

Steel mill FG cooling water transfer

(Outside Temperature up to 600°C)



Construction:

Tube: Synthetic rubber

Reinforcement: High-tensile synthetic textile

Cover: Impregnated synthetic rubber

Operating temperature:

-25°C to +75°C
(-13°F to +158°F)

Application:

- For cooling water transfer

Markets:

- Steel mill
- Foundries

Type of couplings:

Contact coupling manufacturer for coupling selection and installation

#	Part No.		Hose I.D.			Hose O.D.		Max Oper Pressure		Burst Pressure		Weight		Length	
			DN	mm	in	mm	in	bar	psi	bar	psi	kg/m	lbs/ft	mtr	ft
EHN002-06-	M61	100	10	9,5	0.38	20,0	0.79	7,0	100	20,7	300	0,31	0.21	61	100
EHN002-08-	M61	100	12	12,7	0.50	22,0	0.87	7,0	100	20,7	300	0,36	0.24	61	100
EHN002-10-	M61	100	16	15,9	0.62	25,0	0.98	7,0	100	20,7	300	0,44	0.30	61	100
EHN002-12-	M61	100	19	19,0	0.75	29,0	1.14	7,0	100	20,7	300	0,52	0.35	61	100
EHN002-16-	M61	100	25	25,4	1.00	35,0	1.38	7,0	100	20,7	300	0,64	0.43	61	100
EHN002-20-	M61	100	31	31,8	1.25	41,5	1.63	7,0	100	20,7	300	0,85	0.57	61	100
EHN002-24-	M61	100	38	38,1	1.50	50,0	1.97	7,0	100	20,7	300	0,97	0.65	61	100
EHN002-28-	M61	100	45	44,5	1.75	55,0	2.17	7,0	100	20,7	300	1,22	0.82	61	100
EHN002-32-	M61	100	51	50,8	2.00	63,0	2.48	7,0	100	20,7	300	1,40	0.94	61	100
EHN002-40-	M61	100	60	63,5	2.50	76,0	2.99	7,0	100	20,7	300	2,04	1.37	61	100
EHN002-48-	M61	100	80	76,2	3.00	89,0	3.50	7,0	100	20,7	300	2,54	1.71	61	100
EHN002-64-	M61	100	102	101,6	4.00	115,0	4.53	7,0	100	20,7	300	3,31	2.23	61	100
EHN002-80-	M61	100	130	127,0	5.00	145,0	5.71	7,0	100	20,7	300	5,16	3.47	61	100

Specialty

Steel mill

 Refer to warnings and safety information on pages N-1 – N-16.

Use of damaged hose or improper use may result in bodily injury or property damage. Please consult Eaton catalog or Technical Support for proper application.

EHN003

Steel mill non-flammable heavy duty cooling water transfer

**Construction:**

Tube: EPDM

Reinforcement: High-tensile synthetic textile

Cover: EPDM rubber and glass fiber

Operating temperature:

-40°C to +120°C
(-40°F to +248°F)

Application:

- For discharge of cooling water

Markets:

- Steel mill
- Foundries

Type of couplings:

Contact coupling manufacturer for coupling selection and installation

# Part No.			 Hose I.D.			 Hose O.D.		 Max Oper Pressure		 Burst Pressure		 Weight		 Length	
	mtr	ft	DN	mm	in	mm	in	bar	psi	bar	psi	kg/m	lbs/ft	mtr	ft
EHN003-06-	MXX	100	10	9,5	0.38	19	0.75	10,5	150	31,0	450	0,28	0.19	40-61	100
EHN003-08-	MXX	100	12	12,7	0.50	22	0.87	10,5	150	31,0	450	0,36	0.24	40-61	100
EHN003-12-	MXX	100	19	19,0	0.75	32	1.26	10,5	150	31,0	450	0,70	0.47	40-61	100
EHN003-16-	MXX	100	25	25,4	1.00	38	1.50	10,5	150	31,0	450	0,83	0.32	40-61	100
EHN003-20-	MXX	100	31	31,8	1.25	47	1.85	10,5	150	31,0	450	1,24	0.83	40-61	100
EHN003-24-	MXX	100	38	38,1	1.50	54	2.13	10,5	150	31,0	450	1,53	1.03	40-61	100
EHN003-28-	MXX	100	45	44,5	1.75	61	2.40	10,5	150	31,0	450	1,83	1.23	40-61	100
EHN003-32-	MXX	100	51	50,8	2.00	69	2.72	10,5	150	31,0	450	2,36	1.59	40-61	100
EHN003-40-	MXX	100	60	63,5	2.50	80	3.15	10,5	150	31,0	450	2,61	1.75	40-61	100
EHN003-48-	MXX	100	80	76,2	3.00	94	3.70	10,5	150	31,0	450	3,11	2.09	40-61	100
EHN003-64-	MXX	100	102	101,6	4.00	122	4.80	10,5	150	31,0	450	4,72	3.17	40-61	100

Resistance $\leq 1 \times 10^9 \Omega/m$

EHN004

Steel mill heavy duty cooling water transfer

(Outside temperature up to 600°C)



Construction:

Tube: EPDM

Reinforcement: High-tensile synthetic textile

Cover: EPDM rubber and glass fiber

Operating temperature:

-40°C to +125°C
(-40°F to +257°F)

Application:

- For discharge of cooling water

Markets:

- Steel mill
- Foundries

Type of couplings:

Contact coupling manufacturer for coupling selection and installation

# Part No.			 Hose I.D.			 Hose O.D.		 Max Oper Pressure		 Burst Pressure		 Weight		 Length	
			DN	mm	in	mm	in	bar	psi	bar	psi	kg/m	lbs/ft	mtr	ft
EHN004-08-	MXX	100	12	12,7	0.50	22	0.87	10,5	150	31,0	450	0,34	0.23	40-61	100
EHN004-10-	MXX	100	16	15,9	0.62	26	1.02	10,5	150	31,0	450	0,44	0.30	40-61	100
EHN004-12-	MXX	100	19	19,0	0.75	30	1.18	10,5	150	31,0	450	0,57	0.38	40-61	100
EHN004-16-	MXX	100	25	25,4	1.00	37	1.46	10,5	150	31,0	450	0,74	0.50	40-61	100
EHN004-20-	MXX	100	31	31,8	1.25	45	1.77	10,5	150	31,0	450	0,99	0.67	40-61	100
EHN004-24-	MXX	100	38	38,1	1.50	52	2.05	10,5	150	31,0	450	1,24	0.83	40-61	100
EHN004-28-	MXX	100	45	44,5	1.75	59	2.32	10,5	150	31,0	450	1,49	1.00	40-61	100
EHN004-32-	MXX	100	51	50,8	2.00	65	2.56	10,5	150	31,0	450	1,64	1.10	40-61	100
EHN004-40-	MXX	100	60	63,5	2.50	79	3.11	10,5	150	31,0	450	2,15	1.45	40-61	100
EHN004-48-	MXX	100	80	76,2	3.00	94	3.70	10,5	150	31,0	450	3,02	2.03	40-61	100
EHN004-64-	MXX	100	102	101,6	4.00	120	4.72	10,5	150	31,0	450	3,96	2.66	40-61	100

Resistance $\leq 1 \times 10^9 \Omega/m$

Specialty

Steel mill

 Refer to warnings and safety information on pages N-1 – N-16.

Use of damaged hose or improper use may result in bodily injury or property damage. Please consult Eaton catalog or Technical Support for proper application.

EHN005

Steel mill medium duty cooling water transfer



Construction:

Tube: EPDM rubber
Reinforcement: High-tensile synthetic textile
Cover: Synthetic rubber and 2 glass fiber

Operating temperature:

-40°C to +125°C
 (-40°F to +257°F)

Application:

- For cooling water systems in steel mills and foundries

Markets:

- Steel mill
- Foundries

Type of couplings:

Contact coupling manufacturer for coupling selection and installation

# Part No.			Hose I.D.			Hose O.D.		Max Oper Pressure		Burst Pressure		Weight		Length	
			DN	mm	in	mm	in	bar	psi	bar	psi	kg/m	lbs/ft	mtr	ft
EHN005-64-	M20	20	102	101,6	4.00	130	5.12	6,0	85	18,0	260	6,86	4.61	20	20
EHN005-80-	M20	20	130	127,0	5.00	155	6.10	6,0	85	18,0	260	8,36	5.62	20	20
EHN005-96-	M20	20	150	152,4	6.00	181	7.13	6,0	85	18,0	260	9,92	6.67	20	20
EHN005-128-	M20	20	200	203,2	8.00	232	9.13	6,0	85	18,0	260	12,73	8.56	20	20
EHN005-160-	M20	20	250	254,0	10.00	282	11.10	6,0	85	18,0	260	15,50	10.42	20	20

EHN006

Steel mill heavy duty ceramic coated



Construction:

Tube: EPDM rubber

Reinforcement: High-tensile synthetic textile

Cover: Ceramic coated EPDM rubber

Operating temperature:

-40°C to +125°C
(-40°F to +257°F)

Application:

- For transfer of water and hot water where hose needs to be resistant to heat

Markets:

- Steel mill
- Foundries

Type of couplings:

Contact coupling manufacturer for coupling selection and installation

# Part No.			 Hose I.D.			 Hose O.D.		 Max Oper Pressure		 Burst Pressure		 Weight		 Length	
			mtr	ft	DN	mm	in	mm	in	bar	psi	bar	psi	kg/m	lbs/ft
EHN006-08-	MXX	100	12	12,7	0.50	24	0.95	25,0	365	100	1450	0,42	0.28	40-61	100
EHN006-12-	MXX	100	19	19,0	0.75	30	1.18	25,0	365	100	1450	0,57	0.38	40-61	100
EHN006-16-	MXX	100	25	25,4	1.00	38	1.50	25,0	365	100	1450	0,83	0.56	40-61	100
EHN006-20-	MXX	100	31	31,8	1.25	46	1.81	25,0	365	100	1450	1,14	0.77	40-61	100
EHN006-24-	MXX	100	38	38,1	1.50	52	2.05	25,0	365	100	1450	1,32	0.89	40-61	100
EHN006-28-	MXX	100	45	44,5	1.75	60	2.36	25,0	365	100	1450	1,75	1.18	40-61	100
EHN006-32-	MXX	100	51	50,8	2.00	67	2.64	25,0	365	100	1450	2,25	1.51	40-61	100
EHN006-40-	MXX	100	60	63,5	2.50	81	3.19	25,0	365	100	1450	2,53	1.70	40-61	100
EHN006-48-	MXX	100	80	76,2	3.00	95	3.74	25,0	365	100	1450	3,25	2.18	40-61	100
EHN006-64-	MXX	100	102	101,6	4.00	123	4.84	25,0	365	100	1450	5,30	3.56	40-61	100

Specialty

Steel mill

 Refer to warnings and safety information on pages N-1 – N-16.

Use of damaged hose or improper use may result in bodily injury or property damage. Please consult Eaton catalog or Technical Support for proper application.

EHN007

Steel mill fiberglass steam transfer

(Outside Temperature up to 600°C)

**Construction:****Tube:** EPM**Reinforcement:** High-tensile synthetic textile**Cover:** Synthetic rubber and glass fiber**Operating temperature:**-20°C to +165°C
(-4°F to +329°F)**Application:**

- For discharge of cooling water

Markets:

- Steel mill
- Foundries

Type of couplings:

Contact coupling manufacturer for coupling selection and installation

# Part No.			 Hose I.D.			 Hose O.D.		 Max Oper Pressure		 Burst Pressure		 Weight		 Length	
	mtr	ft	DN	mm	in	mm	in	bar	psi	bar	psi	kg/m	lbs/ft	mtr	ft
EHN007-08-	MXX	100	12	12,7	0.50	24,0	0.95	7,0	100	70,0	1000	0,41	0.28	40-61	100
EHN007-10-	MXX	100	16	15,9	0.62	30,0	1.18	7,0	100	70,0	1000	0,65	0.44	40-61	100
EHN007-12-	MXX	100	19	19,0	0.75	33,0	1.30	7,0	100	70,0	1000	0,71	0.48	40-61	100
EHN007-16-	MXX	100	25	25,4	1.00	39,5	1.56	7,0	100	70,0	1000	0,82	0.55	40-61	100
EHN007-20-	MXX	100	31	31,8	1.25	47,0	1.85	7,0	100	70,0	1000	1,15	0.77	40-61	100
EHN007-24-	MXX	100	38	38,1	1.50	53,0	2.09	7,0	100	70,0	1000	1,35	0.91	40-61	100
EHN007-28-	MXX	100	45	44,5	1.75	60,0	2.36	7,0	100	70,0	1000	1,57	1.06	40-61	100
EHN007-32-	MXX	100	51	50,8	2.00	67,5	2.66	7,0	100	70,0	1000	1,97	1.32	40-61	100
EHN007-40-	MXX	100	60	63,5	2.50	81,0	3.19	7,0	100	70,0	1000	2,51	1.69	40-61	100
EHN007-48-	MXX	100	80	76,2	3.00	98,0	3.86	7,0	100	70,0	1000	3,66	2.46	40-61	100
EHN007-64-	MXX	100	102	101,6	4.00	124,0	4.88	7,0	100	70,0	1000	4,83	3.25	40-61	100

H0372

BLACKCAT™ Hot tar & asphalt



Construction:

Tube: Nitrile

Reinforcement: 2-ply fiberglass with helical wire

Cover: Neoprene

Operating temperature:

+177°C Intermittent
(+350°F)

Handle intermittent temperature of hot tar and asphalt up to +400°F

Application:

- For suction & discharge of tar and asphalt

Markets:

- Road construction
- Roof construction

Type of couplings:

- Cam and groove
- Combination nipple

Contact coupling manufacturer for attachment procedure and other coupling recommendations

# Part No.	Hose I.D.		Hose O.D.		Max Oper Pressure		Burst Pressure		Minimum Bend Radius		Vacuum		Weight		Length				
					bar	psi	bar	psi	mm	in	kPa	in/Hg	kg/m	lbs/ft	mtr	ft			
H037232-**		100	51	50,8	2.00	74,6	2.94	13,8	200	55,0	800	177,8	7.00	94,8	28	3,48	2.34		100
H037240-		100	60	63,5	2.50	87,3	3.44	13,8	200	55,0	800	254,0	10.00	94,8	28	4,24	2.85		100
H037248-**		100	80	76,2	3.00	97,6	3.84	13,8	200	55,0	800	254,0	10.00	94,8	28	4,95	3.33		100
H037264-		100	102	101,6	4.00	126,2	4.97	13,8	200	55,0	800	304,8	12.00	94,8	28	6,74	4.53		100

Product available in 50 ft. lengths.

** Product available in 150 ft. lengths.

Specialty

Road construction

 Refer to warnings and safety information on pages N-1 – N-16.

Use of damaged hose or improper use may result in bodily injury or property damage. Please consult Eaton catalog or Technical Support for proper application.

H9603

Hot tar pumping



Construction:

Tube: Nitrile (RMA Class A)

Reinforcement: 2-wire braid

Cover: Pin-pricked CPE

Operating temperature:

+177°C Intermittent
(+350°F)

Application:

- For hot tar projects

Note: Not for asphalt

Markets:

- Road construction
- Roof construction

Type of couplings:

- Cam and groove
- Combination nipple

Contact coupling manufacturer for attachment procedure and other coupling recommendations

# Part No.																	
			Hose I.D.	Hose O.D.													
	mtr	ft	DN	mm	in	mm	in	bar	psi	bar	psi	mm	in	kg/m	lbs/ft	mtr	ft
H960316-		50	25	25,4	1.00	39,7	1.56	17,2	250	172	2500	304,8	12.00	1,34	.90		50
H960316-		100	25	25,4	1.00	39,7	1.56	17,2	250	172	2500	304,8	12.00	1,34	.90		100
H960316-		150	25	25,4	1.00	39,7	1.56	17,2	250	172	2500	304,8	12.00	1,34	.90		150

EHK009

Asphalt suction & discharge



Construction:

Tube: Synthetic rubber

Reinforcement: High-tensile synthetic textile dual helical wire with anti-static copper wire

Cover: Synthetic rubber

Operating temperature:

-40°C to +180°C
(-40°F to +356°F)

Application:

- For suction and discharge of tar and asphalt

Markets:

- Road construction
- Roof construction

Type of couplings:

- Cam and groove
- Combination nipple

Contact coupling manufacturer for attachment procedure and other coupling recommendations

# Part No.			 Hose I.D.			 Hose O.D.		 Max Oper Pressure		 Burst Pressure		 Minimum Bend Radius		 Vacuum		 Weight		 Length	
	mtr	ft	DN	mm	in	mm	in	bar	psi	bar	psi	mm	in	kPa	in/Hg	kg/m	lbs/ft	mtr	ft
EHK009-16-	MXX	100	25	25,4	1.00	43	1.69	18	260	54	780	115	4.53	94,8	28	1,24	0.83	40-61	100
EHK009-20-	MXX	100	31	31,8	1.25	50	1.97	18	260	54	780	150	5.91	94,8	28	1,50	1.01	40-61	100
EHK009-24-	MXX	100	38	38,1	1.50	56	2.20	18	260	54	780	180	7.09	94,8	28	1,83	1.23	40-61	100
EHK009-28-	MXX	100	45	44,5	1.75	64	2.52	18	260	54	780	220	8.66	94,8	28	2,34	1.57	40-61	100
EHK009-32-	MXX	100	51	50,8	2.00	71	2.80	18	260	54	780	250	9.84	94,8	28	2,78	1.87	40-61	100
EHK009-40-	MXX	100	60	63,5	2.50	83	3.27	10,5	150	31	450	320	12.60	94,8	28	3,13	2.10	40-61	100
EHK009-48-	MXX	100	80	76,2	3.00	97	3.81	10,5	150	31	450	400	15.75	94,8	28	4,11	2.76	40-61	100
EHK009-64-	MXX	100	102	101,6	4.00	126	4.96	10,5	150	31	450	520	20.47	94,8	28	6,17	4.15	40-61	100
EHK009-80-	MXX	100	130	127,0	5.00	153	6.02	10,5	150	31	450	680	26.77	94,8	28	8,15	5.48	40-61	100
EHK009-96-	MXX	100	150	152,4	6.00	179	7.05	10,5	150	31	450	850	33.46	94,8	28	10,23	6.88	40-61	100

 Refer to warnings and safety information on pages N-1 – N-16.

Use of damaged hose or improper use may result in bodily injury or property damage. Please consult Eaton catalog or Technical Support for proper application.

H969

Hydrocarbon drain



Construction:

Tube: Nitrile (RMA Class A)
Reinforcement: 2-wire braid
Cover: Pin-pricked chlorinated polyethylene

Operating temperature:

-40°C to +177°C
 (-40°F to +350°F)

Application:

• For hydrocarbon drain service

Markets:

• Petroleum

Type of couplings:

• Boss Male
 • Ground joint female

Contact coupling manufacturer for attachment procedure and other coupling recommendations

# Part No.			 Hose I.D.			 Hose O.D.		 Max Oper Pressure		 Burst Pressure		 Weight		 Length	
	mtr	ft	DN	mm	in	mm	in	bar	psi	bar	psi	kg/m	lbs/ft	mtr	ft
H969012-		50	19	19,0	0.75	34,1	1.34	21,0	300	207	3000	0,89	0.60		50

Steam

Steam hose

EH084 STEAM SLAYER™	K-6	EHS006 Steel Wire Reinforced Steam	K-10
H0084 Concord Standard	K-7	H9568 Concord 250 Steam	K-11
EHS010 Steel Steam	K-8	EHS001 Industrial Steam	K-12
EHS007 Steel Wire Reinforced Steam	K-9	H969 Hydrocarbon Drain	K-13



Steam

Steam hose

EH084 STEAM SLAYER™



Application: Transfer of steam for processing products & cleaning equipment
Tube: Special chlorobutyl blend
Reinforcement: 2-wire braid
Cover: Pin-pricked EPDM
Temp: -40°C to +208°C, (-40°F to +407°F)
 For superheated steam, +232°C (+450°F)
Pressure: 17,2 bar / 250 psi

H0084 Concord Standard



Application: Transfer of steam for processing products & cleaning equipment
Tube: Special chlorobutyl blend
Reinforcement: 2-wire braid with stainless steel anti-static wire
Cover: Pin-pricked EPDM
Temp: Maximum Operating: +232°C (+450°F)
Pressure: 17,2 bar / 250 psi

EHS010 Steel Steam



Application: Transfer of steam for processing products & cleaning equipment
Tube: EPDM
Reinforcement: High-tensile steel wire cords and steel wire helix
Cover: Red EPDM; abrasion: heat, steam, weather and ozone resistant
Temp: Maximum Operating: +200°C (+392°F)
Pressure: 7-10 bar / 102-145 psi

EHS007 Steel Wire Reinforced Steam, ISO 6134-2B



Application: Transfer of steam for processing products & cleaning equipment
Tube: EPM
Reinforcement: High-tensile steel wire cords
Cover: Pin-pricked, oil-resistant synthetic rubber
Temp: -40°C to +208°C (-40°F to +406°F)
Pressure: 18 bar / 261 psi

EHS006 Steel Wire Reinforced Steam, ISO 6134-2A



Application: Transfer of steam for processing products & cleaning equipment
Tube: EPM
Reinforcement: High-tensile steel wire cords
Cover: Pin-pricked synthetic rubber
Temp: -40°C to +208°C (-40°F to +406°F)
Pressure: 18 bar / 261 psi

H9568 Concord 250 Steam



Application: Transfer of steam for processing products & cleaning equipment
Tube: EPDM **Reinforcement:** 2-wire braid **Cover:** Pin-pricked EPDM
Temp: Maximum Operating: +232°C (+450°F)
Pressure: 17,2 bar / 250 psi

EHS001 Industrial Steam, BS 5342 Type 2 Class A



Application: Transfer of steam for processing products & cleaning equipment
Tube: EPM **Reinforcement:** High-tensile steel wire **Cover:** Pin-pricked EPM
Temp: -40°C to +208°C, (-40°F to +407°F)
Pressure: 17,2 bar / 250 psi

H969 Hydrocarbon Drain



Application: Hydrocarbon drain service
Tube: Nitrile (RMA Class A) **Reinforcement:** 2-wire braid **Cover:** CPE
Temp: Maximum Operating: +176°C (+350°F)
Pressure: 20,7 bar / 300 psi



Heat resisting Patrex or EPDM tubes

- Eaton products' exclusive elastomers with superior heat resistance provide for longer service life...and will resist flaking rubber particles (popcorning) and will handle most steam cleaner detergents.

Hi-strength steel wire braided reinforcement

- Keeps the hose limber and easy to handle. Adds versatility... hot water cleaning to high-pressure process steam service.

EPDM or oil resistant

- Stand up to the dragging, scuffing and abuse found in many applications.

Covers

- Ensures maximum service life and value. Exceptional aging, weathering, and heat resisting properties keep the hose flexible and easy to use.

Permanent branding for easy identification

- The name of the hose and the working pressure are molded into the hose cover...can't rub off. This lets the operator know that the hose is for steam service.

The Eaton brand reputation for quality

- Your assurance of dependable performance.

Steam hose - Safety information

Important!

⚠ WARNING: Exposure to steam is hazardous. If not properly controlled, steam can cause property damage, serious bodily injury, or death. In order to avoid property damage, serious injury, or death, you must select the proper steam hose for the given application. Also, proper installation, usage and maintenance of the steam hose you select will contribute to increased operator safety.

⚠ WARNING: Failure to properly follow the manufacturer's recommended procedures for the care, maintenance and storage of a particular hose may result in its failure to perform in the manner intended and may result in serious injury, death, and damage to property.

⚠ WARNING: Only specially trained persons should engage in applications or testing procedures that require particular skills. Failure to do so may result in damage to the hose products or to other property and more importantly, may result in serious injury.

⚠ WARNING: Steam heat is hotter than 212°F (boiling water) and increases in temperature as pressure increases. See safety information in this catalog.

Steam

Safety tips

Safety tips

Common sense with steam hose

- Provide operators with adequate safety clothing. Include gloves, rubber boots, full length protective clothing and eye protection. The objective is to provide protection from scalding burns resulting from splash back of steam or hot water.
- Ensure that the work area is free of tripping hazards and other clutter.
- Check the tightness of the coupling with each use.
- Do not allow the hose to remain pressurized when not in service. Turning off the pressure can provide dramatic increases in steam hose service life.
- Periodic maintenance of steam hose can pay big dividends. All steam hoses are expected to wear out in time. It is important to continually be on the lookout for hose that has deteriorated to the point where it can no longer provide safe service. The following guidelines can help in that determination.

Make your selection with safety in mind

- Be sure to select a hose identified as steam hose.
- Hose identification should be in the form of permanent branding on the hose outer cover, not just on the package.
- You must identify the type of service the steam hose is required to accomplish.
 - a) Is the hose manually handled?
 - b) What is the anticipated frequency of use?
 - c) What is the actual pressure of the steam service?
 - d) Is it subject to surges or peak pressures?
 - e) What is the temperature of the steam?
 - f) Saturated (wet) or superheated (dry) steam?
 - g) What are the external conditions in the area where the hose will be used?
- You should recognize that spillage or accumulations of corrosive chemicals or petroleum based materials externally can have a deteriorating effect on the hose cover.

Operators should be aware of the obvious signs of trouble:

- Cover blisters or lumps
- Cuts or gouges in the outside of the hose which expose the reinforcement
- Hardened or inflexible hose
- Steam leakages at the coupling ends or anywhere along the length of the hose
- Flattened or kinked areas which have damaged the hose
- A reduction of steam flow indicating that the tube is swelling

When any of the above abnormalities appear it is good safety sense to immediately remove the hose from service. Once removed, the hose can be carefully inspected before further use. Steam hose failures occur near the ends due to flexing and strain at the couplings. In those cases the hose can frequently be cut back and recoupled, providing additional service life. Hose used in continuous high pressure/ temperature service should be inspected periodically for signs of tube hardening. In most cases it is necessary to remove a coupling for tube inspection.

Making sure the hose is installed properly

- Be certain to use hose couplings designed for steam hose service. Follow the coupling manufacturer's instruction for coupling attachment. Check tightness with each use.
- Avoid extreme flexing of the hose near the coupling. If necessary use elbows in the piping system to assure a straight line connection with the hose.
- Installing and using a shut-off valve between the steam source and the hose will maximize service life and operator safety, and we consider such a value mandatory for safe operation.
- The use of spring guards can relieve some of the acute flexing encountered in heavy manual handling applications.
- Provide a suitable means of storing the hose when not in use. A permanent rack or tray will minimize the damage to the hose in storage. Do not hang the hose on a hook, nail, or other device which could cut or damage the hose.

Recommendations

1. Install an OSHA approved safety cable on the hose at every junction to prevent whipping of the end if the coupling should disconnect.
2. Ensure continuous static grounding of the hose at each coupling.
3. If the clamps are a bolt-on style, tighten them to the correct torque before use. Use calibrated torque wrenches, not impact or other types.
4. Repairs on steam hoses and couplings should be done only by fully qualified distributors or fabricators.
5. All workers near the hose should wear full protective safety gear including gloves, safety shoes, full-length protective clothing and protective glasses or goggles.
6. Perform a complete safety check before the steam is turned on. Inspect the area and remove all unnecessary objects and debris. Inspect the hose for gouges, kinks, worn areas, loose couplings and other potential safety problems.
7. Install a shut-off valve between the source of steam and hose assembly.
8. Use spring guards to protect the hose from kinking when handling of the hose is required.
9. Avoid excessive flexing of the hose, particularly near couplings. Flexing can weaken the assembly.
10. Examine connections to the steam source. Use straight connections instead of bending the hose. Install pipe elbows to ensure either straight vertical connections pointing downward, or a 45° downward angle that allows the hose to gently contact the ground without too much flexing.
11. Be aware of the danger of hammer effect and take steps to prevent it. Hammer effect is caused by spikes of extreme pressure; it can damage hose assemblies and break couplings free. The usual causes are blockage, pinched-off flow or valves being opened or closed too fast. Make personnel aware of both the danger and causes, and urge them to avoid actions that can cause the hammer effect.
12. When finished using steam, always close the pressure valve from the steam source. In addition to providing an extra safety margin, this action can extend the working life of the hose.
13. Add an extra measure of safety by ensuring that all steam hose connections are incompatible with other hoses in the plant or by color-coding for different applications. Manufacturers can often cooperate with these requests and suggest good color-coding systems.
14. Train workers to look for signs of problems during usage, such as steam leakage, loose clamps, hose shrinkage, cover damage or exposed reinforcement.

Steam

Steam hose

 Refer to warnings and safety information on pages N-1 – N-16.

Use of damaged hose or improper use may result in bodily injury or property damage. Please consult Eaton catalog or Technical Support for proper application.

EH084

STEAM SLAYER™



Construction:

Tube: Special chlorobutyl blend

Reinforcement:
2-wire braid

Cover: Pin-pricked EPDM

Operating temperature:

-40°C to +208°C
(-40°F to +407°F)

For superheated steam
+232°C (+450°F)

Application:

- Transfer of steam for processing products and cleaning equipment

Markets:

- Refining and petrochemical
- Paper industry
- Industrial cleaning markets
- Oil and gas exploration
- Steel
- Ship building

Contact coupling manufacturer for attachment procedure and other coupling recommendations

# Part No.	Hose I.D.			Hose O.D.		Max Operating Pressure		Burst Pressure		Weight		Length	
	DN	mm	in	mm	in	bar	psi	bar	psi	kg/m	lbs/ft	mtr	ft
EH08408	12	12,7	0.50	27,7	1.09	17,2	250	172	2500	0,73	0.49	15,2	50
EH08412	19	19,0	0.75	33,5	1.32	17,2	250	172	2500	0,94	0.63	15,2	50
EH08416	25	25,4	1.00	40,4	1.59	17,2	250	172	2500	1,28	0.86	15,2	50

H0084

Concord standard



Construction:

Tube: Special chlorobutyl blend

Reinforcement:
2-wire braid with stainless steel anti-static wire

Cover: Pin-pricked EPDM

Operating temperature:

Maximum Operating
+232°C (+450°F)

Application:

- Transfer of steam for processing products and cleaning equipment

Markets:

- Refining and petrochemical
- Paper industry
- Industrial cleaning markets
- Oil and gas exploration
- Steel
- Ship building

Type of couplings:

- Ground joint female
- Boss male

Contact coupling manufacturer for attachment procedure and other coupling recommendations

# Part No.	Hose I.D.			Hose O.D.		Max Operating Pressure		Burst Pressure		Weight		Length	
	DN	mm	in	mm	in	bar	psi	bar	psi	kg/m	lbs/ft	mtr	ft
H008420BK	31	31,8	1.25	50,0	1.97	17,2	250	172	2500	2,0	1.35	15,2	50
H008424BK	38	38,1	1.50	56,4	2.22	17,2	250	172	2500	2,3	1.55	15,2	50
H008432BK	51	50,8	2.00	69,1	2.72	17,2	250	172	2500	2,9	1.94	15,2	50
H008432BK	51	50,8	2.00	69,1	2.72	17,2	250	172	2500	2,9	1.94	15,2	50

Steam

Steam hose

 Refer to warnings and safety information on pages N-1 – N-16.

Use of damaged hose or improper use may result in bodily injury or property damage. Please consult Eaton catalog or Technical Support for proper application.

EHS010

Steel steam



Construction:

Tube: EPDM

Reinforcement: High-tensile steel wire cords and steel wire helix

Cover: Red, EPDM; abrasion, heat, steam, weather and ozone resistant

Operating temperature:

-40°C to +200°C
(-40°F to +392°F)

Application:

- Transfer of steam for processing products and cleaning equipment

Markets:

- Refining and petrochemical
- Paper industry
- Steel
- Ship building

Type of couplings:

- Ground joint
- Boss male

Contact coupling manufacturer for attachment procedure and other coupling recommendations

# Part No.	Hose I.D.			Hose O.D.		Max Operating Pressure		Burst Pressure		Minimum Bend Radius		Weight		Length	
	DN	mm	in	mm	in	bar	psi	bar	psi	mm	in	kg/m	lbs/ft	mtr	ft
EHS010-32	50	50,8	2.0	67,0	2.64	10,0	145	100,0	1450	400	15.75	2,72	1.83	40,61	50
EHS010-40	60	63,5	2.5	83,0	3.27	7,0	102	70,0	1015	500	19.69	3,83	2.57	40,61	50
EHS010-48	80	76,2	3.0	95,0	3.74	7,0	102	70,0	1015	600	23.62	4,78	3.21	40,61	50
EHS010-64	102	101,6	4.0	124,0	4.88	7,0	102	70,0	1015	850	33.46	6,81	4.58	40,61	50

EHS007

Steel wire reinforced steam

ISO 6134-2B Oil resistant cover



Construction:

Tube: EPM

Reinforcement: High-tensile steel wire cords

Cover: Pin-pricked, oil-resistant synthetic rubber

Operating temperature:

-40°C to +208°C
(-40°F to +406°F)

Application:

- Transfer of steam for processing products and cleaning equipment

Markets:

- Refining and petrochemical
- Paper industry
- Industrial cleaning markets
- Oil and gas exploration
- Steel
- Ship building

Type of couplings:

- Ground joint
- Boss male

Contact coupling manufacturer for attachment procedure and other coupling recommendations

# Part No.																	
	mtr	ft	DN	mm	in	mm	in	bar	psi	bar	psi	mm	in	kg/m	lbs/ft	mtr	ft
EHS007-08BK-	MXX	50	12	12,7	0.50	25	0.98	18,0	261	180	2610	130	5.12	0,56	0.38	40,61	50
EHS007-10BK-	MXX	50	16	15,9	0.62	30	1.18	18,0	261	180	2610	160	6.30	0,78	0.52	40,61	50
EHS007-12BK-	MXX	50	19	19,0	0.75	33	1.30	18,0	261	180	2610	190	7.48	0,82	0.55	40,61	50
EHS007-16BK-	MXX	50	25	25,4	1.00	40	1.57	18,0	261	180	2610	250	9.84	1,07	0.72	40,61	50
EHS007-20BK-	MXX	50	31	31,8	1.25	48	1.89	18,0	261	180	2610	320	12.60	1,49	1.00	40,61	50
EHS007-24BK-	MXX	50	38	38,1	1.50	54	2.13	18,0	261	180	2610	380	14.96	1,87	1.26	40,61	50
EHS007-32BK-	MXX	50	51	50,8	2.00	69	2.72	18,0	261	180	2610	500	19.68	2,70	1.82	40,61	50
EHS007-40BK-	MXX	50	60	63,5	2.50	81	3.19	18,0	261	180	2610	630	24.80	3,21	2.16	40,61	50
EHS007-48BK-	MXX	50	80	76,2	3.00	94	3.70	18,0	261	180	2610	750	29.53	4,18	2.81	40,61	50
EHS007-64BK-	MXX	50	102	101,6	4.00	122	4.80	18,0	261	180	2610	1000	39.37	6,43	4.32	40,61	50

Steam

Steam hose

 Refer to warnings and safety information on pages N-1 – N-16.

Use of damaged hose or improper use may result in bodily injury or property damage. Please consult Eaton catalog or Technical Support for proper application.

EHS006

Steel wire reinforced steam

ISO 6134-2A



Construction:

Tube: EPM

Reinforcement: High-tensile steel wire cords

Cover: Pin-pricked synthetic rubber

Operating temperature:

-40°C to +208°C
(-40°F to +406°F)

Application:

- Transfer of steam for processing products and cleaning equipment

Markets:

- Refining and petrochemical
- Paper industry
- Industrial cleaning markets
- Oil and gas exploration
- Steel
- Ship building

Type of couplings:

- Ground joint female
- Boss male

Contact coupling manufacturer for attachment procedure and other coupling recommendations

# Part No.			 Hose I.D.			 Hose O.D.		 Max Oper Pressure		 Burst Pressure		 Minimum Bend Radius		 Weight		 Length	
	mtr	ft	DN	mm	in	mm	in	bar	psi	bar	psi	mm	in	kg/m	lbs/ft	mtr	ft
EHS006-08-	MXX	50	12	12,7	0.50	25	0.98	18,0	261	180	2610	130	5.12	0,53	0.36	40,61	50
EHS006-10-	MXX	50	16	15,9	0.62	30	1.18	18,0	261	180	2610	160	6.30	0,75	0.50	40,61	50
EHS006-12-	MXX	50	19	19,0	0.75	33	1.30	18,0	261	180	2610	190	7.48	0,78	0.52	40,61	50
EHS006-16-	MXX	50	25	25,4	1.00	40	1.57	18,0	261	180	2610	250	9.84	1,03	0.69	40,61	50
EHS006-20-	MXX	50	31	31,8	1.25	48	1.89	18,0	261	180	2610	320	12.60	1,41	0.95	40,61	50
EHS006-24-	MXX	50	38	38,1	1.50	54	2.13	18,0	261	180	2610	380	14.96	1,78	1.20	40,61	50
EHS006-32-	MXX	50	51	50,8	2.00	69	2.72	18,0	261	180	2610	500	19.68	2,58	1.73	40,61	50
EHS006-40-	MXX	50	60	63,5	2.50	81	3.19	18,0	261	180	2610	630	24.80	3,16	2.12	40,61	50
EHS006-48-	MXX	50	80	76,2	3.00	94	3.70	18,0	261	180	2610	750	29.53	4,02	2.70	40,61	50
EHS006-64-	MXX	50	102	101,6	4.00	122	4.80	18,0	261	180	2610	1000	39.37	6,22	4.18	40,61	50

* Available colors BK-Black and RD-Red

H9568

Concord 250 steam



Construction:

Tube: EPDM

Reinforcement:
2-wire braid

Cover: Pin-pricked EPDM

Operating temperature:

Maximum operating
+232°C (+450°F)

Application:

- Transfer of steam for processing products and cleaning equipment

Markets:

- Refining and petrochemical
- Paper industry
- Industrial cleaning markets
- Oil and gas exploration
- Steel
- Ship building

Type of couplings:

- Ground joint female
- Boss male

Contact coupling manufacturer for attachment procedure and other coupling recommendations

# Part No.	Hose I.D.			Hose O.D.		Max Operating Pressure		Burst Pressure		Weight		Length	
	DN	mm	in	mm	in	bar	psi	bar	psi	kg/m	lbs/ft	mtr	ft
H956808BK	12	12,7	0.50	26,2	1.03	17,2	250	172	2500	0,68	0.46	15,2	50
H95608BK-100*	12	12,7	0.50	26,2	1.03	17,2	250	172	2500	0,68	0.46	30,5	100
H956812BK	19	19,0	0.75	34,0	1.34	17,2	250	172	2500	1,04	0.70	15,2	50
H956812BK-100*	19	19,0	0.75	34,0	1.34	17,2	250	172	2500	1,04	0.70	30,5	100
H956816BK	25	25,4	1.00	39,6	1.56	17,2	250	172	2500	1,43	0.96	15,2	50
H956816BK-100*	25	25,4	1.00	39,6	1.56	17,2	250	172	2500	1,43	0.96	30,5	100

**Also product available in RD-Red for select items

Steam

Steam hose

 Refer to warnings and safety information on pages N-1 – N-16.

Use of damaged hose or improper use may result in bodily injury or property damage. Please consult Eaton catalog or Technical Support for proper application.

EHS001

Industrial steam

BS 5342 Type 2 Class A



Construction:

Tube: EPM blend

Reinforcement:

High-tensile steel wire

Cover: Pin-pricked EPM

Operating temperature:

-40°C to +208°C
(-40°F to +407°F)

Application:

- Transfer of steam for processing products and cleaning equipment

Markets:

- Refining and petrochemical
- Paper industry
- Industrial cleaning markets
- Oil and gas exploration
- Steel
- Ship building

Type of couplings:

- Boss male
- Ground joint female

Contact coupling manufacturer for attachment procedure and other coupling recommendations

# Part No.			 Hose I.D.			 Hose O.D.		 Max Oper Pressure		 Burst Pressure		 Minimum Bend Radius		 Weight		 Length	
	mtr	ft	DN	mm	in	mm	in	bar	psi	bar	psi	kg/m	lbs/ft	mtr	ft	mtr	ft
EHS001-08-	MXX	50	12	12,7	0.50	24,0	0.94	17,2	250	172	2500	70	2.76	0,49	0.82	40,00	50
EHS001-10-	MXX	50	16	15,9	0.62	27,0	1.06	17,2	250	172	2500	80	3.15	0,56	0.38	40,00	50
EHS001-12-	MXX	50	19	19,0	0.75	32,0	1.26	17,2	250	172	2500	100	3.94	0,72	0.48	40,61	50
EHS001-16-	MXX	50	25	25,4	1.00	38,5	1.52	17,2	250	172	2500	140	5.51	0,96	0.65	40,61	50
EHS001-20-	MXX	50	31	31,8	1.25	46,0	1.81	17,2	250	172	2500	200	7.87	1,27	0.85	40,61	50
EHS001-24-	MXX	50	38	38,1	1.50	52,0	2.05	17,2	250	172	2500	250	9.84	1,58	1.06	40,61	50
EHS001-32-	MXX	50	51	50,8	2.00	67,0	2.64	17,2	250	172	2500	350	13.78	2,37	1.59	40,61	50
EHS001-40-	MXX	50	60	63,5	2.50	79,5	3.13	17,2	250	172	2500	450	17.72	2,97	2.00	40,61	50
EHS001-48-	MXX	50	80	76,2	3.00	93,0	3.66	17,2	250	172	2500	550	21.65	3,88	2.61	40,61	50
EHS001-64-	MXX	50	102	101,6	4.00	124,0	4.88	17,2	250	172	2500	750	29.53	6,60	4.44	40,61	50

H969

Hydrocarbon drain



Construction:

Tube: Nitrile (RMA Class A)

Reinforcement: 2-wire braid

Cover: Pin-pricked CPE

Operating temperature:

Maximum Operating
+176°C (+350°F)

Application:

- For hydrocarbon drain service

Markets:

- Refining and petrochemical
- Paper industry
- Industrial cleaning markets
- Oil and gas exploration
- Steel
- Ship building

Type of couplings:

- Boss male
- Ground joint female

Contact coupling manufacturer for attachment procedure and other coupling recommendations

# Part No.	Hose I.D.			Hose O.D.		Max Operating Pressure		Burst Pressure		Weight		Length	
	DN	mm	in	mm	in	bar	psi	bar	psi	kg/m	lbs/ft	mtr	ft
H969012	19	19,0	0.75	34,1	1.31	20,7	300	207	3000	0,89	0.60	15,2	50
H969012-25	19	19,0	0.75	34,1	1.31	20,7	300	207	3000	0,89	0.60	7,6	25

Water

Suction & discharge

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Discharge

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Hot water

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Water

Suction & discharge

EHW150 Water suction & discharge



Application: Oil resistant S & D of water, mud and slurries; salt water (brine)
Tube: Synthetic rubber
Reinforcement: Textile and a single steel helical wire
Cover: Oil resistant NBR blend (RMA Class A)
Temp: -25°C to +70°C, (-13°F to +158°F)
Pressure: 10,5 bar / 150 psi

EHW009 Heavy duty water suction & discharge



Application: Suction and discharge of water
Tube: Synthetic rubber
Reinforcement: High-tensile synthetic textile and dual steel helical wire
Cover: Synthetic rubber
Temp: -25°C to +70°C, (-13°F to +158°F)
Pressure: 17,2 bar / 250 psi

H0364 OTTER™ Water suction & discharge



Application: S & D of water, mud and slurries; ag fertilizers, salt water (brine)
Tube: EPDM
Reinforcement: High-tensile synthetic textile / steel helical wire
Cover: EPDM
Temp: -40°C to +120°C, (-40°F to +248°F)
Pressure: 10,5 bar / 150 psi

EHW035 Heavy duty suction & discharge



Application: S & D of water in industrial and construction services
Tube: Synthetic Rubber
Reinforcement: High-tensile synthetic textile and steel helix wire
Cover: Synthetic Rubber
Temp: -25°C to +70°C, (-13°F to +158°F)
Pressure: 20,7 bar / 300 psi

Discharge

EHW029 OTTER™ Layflat water discharge



Application: Water discharge
Tube: EPDM
Reinforcement: High-tensile synthetic textile
Cover: EPDM
Temp: -40°C to +120°C, (-40°F to +248°F)
Pressure: 10,5 bar / 150 psi

EHW003 Medium duty water discharge



Application: Water discharge
Tube: Synthetic rubber
Reinforcement: High-tensile synthetic textile
Cover: Synthetic rubber
Temp: -25°C to +70°C, (-13°F to +158°F)
Pressure: 10,5 bar / 150 psi

H0307 LEADER Water discharge



Application: Discharge of water
Tube: EPDM
Reinforcement: 2-ply, 2 or 4 spiral fiber
Cover: EPDM
Temp: -23°C to +66°C, (-10°F to +150°F)
Pressure: 5,5-10,5 bar / 80-150 psi

Hot water

EHW027 Channeled Hot water suction & discharge



Application: Suction and discharge of hot water in industrial applications
Tube: EPDM
Reinforcement: High-tensile synthetic textile and steel helical wire
Cover: Channeled EPDM rubber
Temp: -40°C to +125°C, (-40°F to +257°F)
Pressure: 10,5 bar / 150 psi

EHW024 Hot water suction & discharge



Application: Suction and discharge of hot water in industrial applications
Tube: EPDM rubber
Reinforcement: High-tensile synthetic textile and steel helical wire
Cover: EPDM rubber
Temp: -40°C to +125°C, (-40°F to +257°F)
Pressure: 10,5 bar / 150 psi

EHW023 Hot water discharge



Application: Delivery of hot water in industrial applications
Tube: EPDM rubber
Reinforcement: High-tensile synthetic textile
Cover: EPDM rubber
Temp: -40°C to +125°C, (-40°F to +257°F)
Pressure: 10,5 bar / 150 psi

Specialty

H1196 ROYALFLEX™ Water



Application: Transfer of water, liquid, diluted fertilizers and pesticides; pumping, S & D of water and slurries

Tube: Thermoplastic vinyl nitrile

Reinforcement: 100% polyester and helical wire

Cover: Thermoplastic vinyl nitrile

Temp: -29°C to +82°C, (-20°F to +180°F)

Pressure: 20,7 bar / 300 psi

EHW022 Heavy duty radiator car heater



Application: Delivery of hot water in industrial applications

Tube: EPDM rubber

Reinforcement: High-tensile synthetic textile

Cover: EPDM rubber

Temp: -40°C to +125°C, (-40°F to +257°F)

Pressure: 10,5 bar / 150 psi

EHW021 Radiator car heater



Application: Hot water discharge in industrial applications

Tube: EPDM rubber

Reinforcement: High-tensile synthetic textile

Cover: EPDM rubber

Temp: -40°C to +125°C, (-40°F to +257°F)

Pressure: 4 bar / 60 psi

EHW002 Radiator hose



Application: Hot water with anti-freeze cooling systems, motion & stationary

Tube: EPDM rubber

Reinforcement: High-tensile synthetic textile

Cover: EPDM rubber

Temp: -40°C to +125°C, (-40°F to +257°F)

Pressure: 4 bar / 60 psi

Sewer cleaning

EHS520 Sewer jetting



Application: High pressure water cleaning and rinsing of sewage systems

Tube: Synthetic rubber

Reinforcement: High tensile synthetic textile

Cover: Synthetic rubber

Temp: -40°C to +70°C, (-40°F to +158°F)

Pressure: 200 bar / 2,900 psi

EHS540 Sewer jetting



Application: High pressure water cleaning and rinsing of sewage systems

Tube: Synthetic rubber

Reinforcement: High tensile synthetic textile

Cover: Synthetic rubber

Temp: -40°C to +70°C, (-40°F to +158°F)

Pressure: 250 bar / 3,625 psi

Water hose

Introduction and Safety information



Job related construction service

- Eaton makes a wide variety of hose styles for water suction and discharge applications. Each product is manufactured utilizing the components and construction which makes it best suited for the job to be performed.

Pressure and vacuum rated

- Eaton manufactures braided and spiral hoses using the latest technology in wire and synthetic yarns. As a result, Eaton hoses are pressure and vacuum resistant, as well as flexible and easy to handle.

Quality assured

- Value through design and quality control assures you of maximum performance from Eaton products.

Water suction and discharge hose - Safety information

Important!

⚠ WARNING: Testing can be dangerous and should be done only by trained personnel using proper tools and procedures. Failure to follow such procedures might result in serious injury, death, or damage to property.

⚠ WARNING: Failure to properly follow the manufacturer's recommended procedures for the care, maintenance, and storage of a particular hose may result in its failure to perform in the manner intended and may result in serious injury, death, or damage to property.

⚠ WARNING: Never use a hose to transfer material it is not specifically meant to transfer. Doing so could deteriorate the hose and result in leaking, hose bursting, or end blow-offs. This could lead to serious personal injury or death. Always transfer material in a hose that is designed specifically to transfer that material. This information is listed in this catalog.

⚠ WARNING: Consider both working pressure and pressure surges when determining "maximum" pressure. Failure to select a hose that meets both these requirements could lead to end blow-offs, hose leakage, and hose bursting. The result could be serious injury or death. The Eaton hose you choose must meet or exceed the required working pressure, and must have a safety factor to allow for surge pressure.

⚠ WARNING: Do not use hose at temperatures that exceed the hose temperature rating. Doing so could deteriorate the hose, leading to leaks, hose bursting, and end blow-offs. This could result in serious personal injury or death.

⚠ WARNING: Selection of the proper hose for the application is essential to the proper operation and safe use of the hose and related equipment. Inadequate attention to selection of hose for the application can result in serious bodily injury or property damage. In order to avoid serious bodily injury or property damage resulting from selection of the wrong hose, you should carefully review the information in this catalog.

Water

Suction & discharge

 Refer to warnings and safety information on pages N-1 – N-16.

Use of damaged hose or improper use may result in bodily injury or property damage. Please consult Eaton catalog or Technical Support for proper application.

EHW150

Water suction and discharge



Construction:

Tube: Synthetic rubber

Reinforcement: Textile and a single steel helical wire

Cover: Oil resistant NBR blend (RMA Class A)

Operating temperature:

-25°C to +70°C
(-13°F to +158°F)

Application:

- Pumping, suction and discharge of water, mud and slurries
- Convey water in applications where oil resistance is needed on outer cover
- Transfer and haul salt water (brine)

Markets:

- Construction
- Equipment rental
- Mining
- Ship building
- Oil and gas exploration
- Tank truck

Type of couplings:

- Cam and groove
- Combination nipple

Contact coupling manufacturer for attachment procedure and other coupling recommendations

#	Part No.		Hose I.D.		Hose O.D.		Max Oper Pressure		Burst Pressure		Minimum Bend Radius		Vacuum		Weight		Length		
			DN	mm	in	mm	in	bar	psi	bar	psi	mm	in	kPa	in/Hg	kg/m	lbs/ft	mtr	ft
EHW150-20-	MXX	100	32	31,8	1.25	43,0	1.69	10,5	150	31.5	450	125	4.92	94,8	28	0,85	0.57	61	100
EHW150-24-	MXX	100	38	38,1	1.50	49,0	1.92	10,5	150	31.5	450	150	5.91	94,8	28	1,16	0.78	61	100
EHW150-32-	MXX	100	51	50,8	2.00	63,0	2.48	10,5	150	31.5	450	215	8.46	94,8	28	1,71	1.15	61	100
EHW150-40-	MXX	100	64	63,5	2.50	76,0	2.99	10,5	150	31.5	450	280	11.02	94,8	28	2,10	1.41	61	100
EHW150-48-	MXX	100	76	76,2	3.00	90,0	3.54	10,5	150	31.5	450	350	13.78	94,8	28	2,64	1.77	61	100
EHW150-64-	MXX	100	102	101,6	4.00	116,5	4.58	10,5	150	31.5	450	490	19.29	94,8	28	3,67	2.47	61	100
EHW150-96-	MXX	100	152	152,4	6.00	171,0	6.73	10,5	150	31.5	450	760	29.92	80,0	24	7,09	4.76	61	100

Water

Suction & discharge

 Refer to warnings and safety information on pages N-1 – N-16.

Use of damaged hose or improper use may result in bodily injury or property damage. Please consult Eaton catalog or Technical Support for proper application.

EHW009

Heavy duty water suction & discharge



Construction:

Tube: Synthetic rubber

Reinforcement: High-tensile synthetic textile and dual steel helical wire

Cover: Abrasion and weather resistant synthetic rubber

Operating temperature:

-25°C to +70°C
(-13°F to +158°F)

Application:

- For suction and discharge of water

Markets:

- Construction
- Industrial

Type of couplings:

- Cam and groove
- Combination nipple

Contact coupling manufacturer for attachment procedure and other coupling recommendations

# Part No.			Hose I.D.		Hose O.D.		Max Oper Pressure		Burst Pressure		Minimum Bend Radius		Vacuum		Weight		Length		
			DN	mm	in	mm	in	bar	psi	bar	psi	mm	in	kPa	in/Hg	kg/m	lbs/ft	mtr	ft
EHW009-12-	MXX	100	19	19,0	0.75	29,0	1.14	17,2	250	52	750	75	2.95	94,8	28	0,57	0.38	40-61	100
EHW009-16-	MXX	100	25	25,4	1.00	35,0	1.38	17,2	250	52	750	100	3.94	94,8	28	0,72	0.48	40-61	100
EHW009-20-	MXX	100	31	31,8	1.25	42,0	1.65	17,2	250	52	750	130	5.12	94,8	28	0,92	0.62	40-61	100
EHW009-24-	MXX	100	38	38,1	1.50	50,0	1.97	17,2	250	52	750	160	6.30	94,8	28	1,34	0.90	40-61	100
EHW009-28-	MXX	100	45	44,5	1.75	57,5	2.26	17,2	250	52	750	195	7.68	94,8	28	1,74	1.17	40-61	100
EHW009-32-	MXX	100	51	50,8	2.00	64,0	2.52	17,2	250	52	750	240	9.45	94,8	28	1,92	1.29	40-61	100
EHW009-40-	MXX	100	60	63,5	2.50	76,5	3.01	17,2	250	52	750	300	11.81	94,8	28	2,47	1.66	40-61	100
EHW009-44-	MXX	100	70	70,0	2.75	84,0	3.31	17,2	250	52	750	340	13.39	94,8	28	2,79	1.87	40-61	100
EHW009-48-	MXX	100	80	76,2	3.00	90,0	3.54	17,2	250	52	750	380	14.96	94,8	28	3,05	2.05	40-61	100
EHW009-64-	MXX	100	102	101,6	4.00	118,0	4.65	17,2	250	52	750	525	20.67	94,8	28	4,86	3.26	40-61	100
EHW009-80-	MXX	100	130	127,0	5.00	144,0	5.67	17,2	250	52	750	700	27.56	80,0	24	6,34	4.26	40-61	100
EHW009-96-	MXX	100	150	152,4	6.00	173,0	6.81	17,2	250	52	750	850	33.46	80,0	24	9,39	6.31	40-61	100
EHW009-128-	MXX	20	200	203,2	8.00	228,0	8.98	17,2	250	52	750	1250	49.21	80,0	24	14,88	10.00	20-40	20
EHW009-160-	MXX	20	250	254,0	10.00	284,0	11.18	17,2	250	52	750	1650	64.96	80,0	24	20,76	13.95	10	20
EHW009-192-	MXX	20	305	304,8	12.00	339,0	13.35	17,2	250	52	750	2100	82.68	80,0	24	28,48	19.14	10	20

Water

Suction & discharge

 Refer to warnings and safety information on pages N-1 – N-16.

Use of damaged hose or improper use may result in bodily injury or property damage. Please consult Eaton catalog or Technical Support for proper application.

H0364

OTTER™ Water suction & discharge



Construction:

Tube: EPDM

Reinforcement: High-tensile synthetic textile and steel helical wire

Cover: EPDM

Operating temperature:

-40°C to +120°C
(-40°F to +248°F)

Application:

- Pumping, suction, and discharge of water, mud, and slurries
- Diluted agricultural fertilizers
- Convey water
- Transfer and haul salt water (brine)

Markets:

- Agriculture
- Construction
- Equipment rental
- Mining
- Ship building
- Oil and gas exploration
- Tank truck

Type of couplings:

- Cam and groove
- Combination nipple

Contact coupling manufacturer for attachment procedure and other coupling recommendations

# Part No.																			
	mtr	ft	DN	mm	in	mm	in	bar	psi	bar	psi	mm	in	kPa	in/Hg	kg/m	lbs/ft	mtr	ft
H036420-	MXX	100	31	31,8	1.25	42,0	1.65	10,5	150	31,5	450	110	4.33	94,8	28	0,86	0.58	40-61	50,100
H036424-	MXX	100	38	38,1	1.50	48,0	1.89	10,5	150	31,5	450	135	5.31	94,8	28	1,09	0.73	40-61	50,100
H036432-	MXX	100	51	50,8	2.00	62,0	2.44	10,5	150	31,5	450	200	7.87	94,8	28	1,63	1.10	40-61	50,100
H036440-	MXX	100	60	63,5	2.50	75,0	2.95	10,5	150	31,5	450	270	10.63	94,8	28	2,07	1.39	40-61	50,100
H036448-	MXX	100	80	76,2	3.00	89,0	3.50	10,5	150	31,5	450	340	13.39	94,8	28	2,69	1.81	40-61	100
H036464-	MXX	100	102	101,6	4.00	115,0	4.53	10,5	150	31,5	450	450	17.72	80	24	3,72	2.50	40-61	50,100
H036480-	MXX	100	130	127,0	5.00	142,0	5.59	10,5	150	31,5	450	572	22.52	80	24	5,32	3.57	40-61	100
H036496-	MXX	20	150	152,4	6.00	168,0	6.61	10,5	150	31,5	450	700	27.56	80	24	6,98	4.69	20-40	20,25
H03648A-	MXX	20	200	203,2	8.00	225,0	8.86	10,5	150	31,5	450	1100	43.31	80	24	12,84	8.62	10	20,25

*Additional lengths available on select sizes

Water

Suction & discharge

 Refer to warnings and safety information on pages N-1 – N-16.

Use of damaged hose or improper use may result in bodily injury or property damage. Please consult Eaton catalog or Technical Support for proper application.

EHW035

Heavy duty suction & discharge



Construction:

Tube: Synthetic Rubber

Reinforcement: High-tensile synthetic textile and steel helix wire reinforcement

Cover: Synthetic Rubber

Operating temperature:

-25°C to +70°C
(-13°F to +158°F)

Application:

- For suction and discharge of water in industrial and construction services

Markets:

- Construction
- Industrial
- Oil and gas exploration

Type of couplings:

- Cam and groove
- Combination nipple

Contact coupling manufacturer for attachment procedure and other coupling recommendations

# Part No.	Hose I.D.			Hose O.D.		Max Oper Pressure		Burst Pressure		Minimum Bend Radius		Vacuum		Weight		Length	
	DN	mm	in	mm	in	bar	psi	bar	psi	mm	in	kPa	in/Hg	kg/m	lbs/ft	mtr	ft
EHW035-32	51	50,8	2.00	64,0	2.52	20,7	300	62,1	900	240	9.45	92,0	27	1,90	1.28	40-61	100
EHW035-48	80	76,2	3.00	90,6	3.57	20,7	300	62,1	900	380	14.96	92,0	27	3,18	2.13	40-61	100
EHW035-64	102	101,6	4.00	120,2	4.73	20,7	300	62,1	900	525	20.67	92,0	27	5,36	3.60	40-61	100
EHW035-80	130	127,0	5.00	149,0	5.87	20,7	300	62,1	900	700	27.56	80,0	24	7,36	4.95	40-61	100
EHW035-96	150	152,4	6.00	172,8	6.80	20,7	300	62,1	900	850	33.46	80,0	24	8,65	5.81	40-61	100
EHW035-128	200	203,0	7.99	231,0	9.09	20,7	300	62,1	900	1250	49.21	80,0	24	16,03	10.77	20-40	100
EHW035-160	250	254,0	10.00	284,8	11.21	20,7	300	62,1	900	1650	64.96	80,0	24	21,57	14.50	10	20
EHW035-192	305	305,8	12.04	350,2	13.79	20,7	300	62,1	900	2100	82.68	80,0	24	36,32	24.41	10	20

EHW029

OTTER™ Layflat water discharge



Construction:

Tube: EPDM

Reinforcement: High-tensile synthetic textile

Cover: EPDM

Operating temperature:

-40°C to +120°C
(-40°F to +248°F)

Application:

- For water discharge

Markets:

- Agriculture
- Construction
- Equipment rental
- Mining
- Ship building
- Oil and gas exploration
- Tank truck

Type of couplings:

- Shank type male x female
- Cam and groove

Contact coupling manufacturer for attachment procedure and other coupling recommendations

# Part No.	Hose I.D.		Hose O.D.		Max Oper Pressure		Burst Pressure		Weight		Length				
	mtr	ft	DN	mm	in	mm	in	bar	psi	bar	psi	kg/m	lbs/ft	mtr	ft
EHW029-20-		100	31	31,8	1.25	38,0	1.50	10,5	150	31,5	450	0,45	0.30		100
EHW029-24-		100	38	38,1	1.50	44,0	1.73	10,5	150	31,5	450	0,52	0.35		100
EHW029-32-		100	51	50,8	2.00	57,0	2.24	10,5	150	31,5	450	0,73	0.49		100
EHW029-40-		100	60	63,5	2.50	70,0	2.76	10,5	150	31,5	450	0,90	0.60		100
EHW029-48-		100	80	76,2	3.00	83,0	3.27	10,5	150	31,5	450	1,15	0.77		100
EHW029-64-		100	102	101,6	4.00	109,0	4.29	10,5	150	31,5	450	1,67	1.12		100
EHW029-80-		100	130	127,0	5.00	136,0	5.35	10,5	150	31,5	450	2,51	1.69		100
EHW029-96-		100	150	152,4	6.00	162,0	6.38	10,5	150	31,5	450	3,36	2.26		100
EHW029-128-		100	200	203,2	8.00	216,5	8.52	10,5	150	31,5	450	5,94	3.99		20, 100
EHW029-160-		100	250	254,0	10.00	268,0	10.55	10,5	150	31,5	450	8.00	5.37		20, 100
EHW029-192-		100	305	304,8	12.00	320,0	12,60	10,5	150	31,5	450	8,70	5.84		20, 100

Water

Discharge

 Refer to warnings and safety information on pages N-1 – N-16.

Use of damaged hose or improper use may result in bodily injury or property damage. Please consult Eaton catalog or Technical Support for proper application.

EHW003

Medium duty water discharge

TS EN ISO 1403 Type 2



Construction:

Tube: Synthetic rubber

Reinforcement: High-tensile synthetic textile

Cover: Weather and ozone resistant synthetic rubber

Operating temperature:

-25°C to +70°C
(-13°F to +158°F)

Application:

- For water discharge

Markets:

- Construction
- Industrial
- Agricultural

Type of couplings:

- Cam and groove
- Combination nipple

Contact coupling manufacturer for attachment procedure and other coupling recommendations

# Part No.			 Hose I.D.			 Hose O.D.		 Max Oper Pressure		 Burst Pressure		 Weight		 Length	
	mtr	ft	DN	mm	in	mm	in	bar	psi	bar	psi	kg/m	lbs/ft	mtr	ft
EHW003-06BK-	MXX	100	10	9,5	0.38	17,0	0.67	10,5	150	31,0	450	0,23	0.16	40-61	100
EHW003-08BK-	MXX	100	12	12,7	0.50	20,0	0.79	10,5	150	31,0	450	0,28	0.19	40-61	100
EHW003-10BK-	MXX	100	16	15,9	0.64	23,0	0.91	10,5	150	31,0	450	0,32	0.22	40-61	100
EHW003-12BK-	MXX	100	19	19,0	0.75	27,0	1.06	10,5	150	31,0	450	0,44	0.29	40-61	100
EHW003-16BK-	MXX	100	25	25,4	1.00	33,0	1.30	10,5	150	31,0	450	0,50	0.34	40-61	100
EHW003-20BK-	MXX	100	31	31,8	1.25	41,0	1.61	10,5	150	31,0	450	0,75	0.50	40-61	100
EHW003-24BK-	MXX	100	38	38,0	1.50	47,0	1.85	10,5	150	31,0	450	0,90	0.60	40-61	100
EHW003-28BK-	MXX	100	45	44,5	1.75	54,0	2.13	10,5	150	31,0	450	1,10	0.74	40-61	100
EHW003-32BK-	MXX	100	51	50,8	2.00	60,0	2.36	10,5	150	31,0	450	1,18	0.80	40-61	100
EHW003-40BK-	MXX	100	60	63,5	2.50	74,0	2.91	10,5	150	31,0	450	1,67	1.12	40-61	100
EHW003-44BK-	MXX	100	70	70,0	2.75	82,0	3.23	10,5	150	31,0	450	2,06	1.39	40-61	100
EHW003-48BK-	MXX	100	80	76,2	3.00	88,0	3.46	10,5	150	31,0	450	2,19	1.47	40-61	100
EHW003-64BK-	MXX	100	102	101,6	4.00	115,0	4.53	10,5	150	31,0	450	3,29	2.21	40-61	100
EHW003-80BK-	MXX	100	130	127,0	5.00	140,0	5.51	10,5	150	31,0	450	3,86	2.60	40-61	100
EHW003-96BK-	MXX	100	150	152,4	6.00	165,0	6.50	10,5	150	31,0	450	4,56	3.07	40-61	100
EHW003-128BK-	MXX	20	200	203,2	8.00	222,0	8.74	10,5	150	31,0	450	8,11	5.45	20-40	20
EHW003-160BK-	MXX	20	250	254,0	10.00	270,0	10.63	10,5	150	31,0	450	10,67	7.17	20	20

H0307

LEADER Water discharge



Construction:

Tube: EPDM

Reinforcement: 2-ply, 2 or 4-spiral fiber

Cover: EPDM

Operating temperature:

-23°C to +66°C
(-10°F to +150°F)

Application:

- For water discharge

Markets:

- Mining
- Construction
- Equipment rental
- Ship building
- Tank truck

Type of couplings:

- Cam and groove
- Combination nipple

Contact coupling manufacturer for attachment procedure and other coupling recommendations

# Part No.	Length		Hose I.D.			Hose O.D.		Max Oper Pressure		Burst Pressure		Weight		Length	
			DN	mm	in	mm	in	bar	psi	bar	psi	kg/m	lbs/ft		
H030724-	mtr	ft	38	38,1	1.50	45,7	1.80	7,0	100	20,7	300	0,85	0.57		100
H030732-			51	50,8	2.00	58,7	2.31	7,0	100	20,7	300	1,09	0.73		100
H030740-			60	63,5	2.50	73,5	2.89	7,0	100	20,7	300	1,34	0.90		100
H030748-			80	76,2	3.00	86,5	3.41	7,0	100	20,7	300	1,64	1.10		100
H030764-			102	101,6	4.00	111,9	4.41	7,0	100	20,7	300	2,16	1.45		100
H030796			150	152,4	6.00	161,8	6.37	5,5	80	17,2	250	3,18	2.14		50

Water

Hot water

 Refer to warnings and safety information on pages N-1 – N-16.

Use of damaged hose or improper use may result in bodily injury or property damage. Please consult Eaton catalog or Technical Support for proper application.

EHW027

Channeled hot water suction & discharge



Construction:

Tube: EPDM rubber

Reinforcement: High-tensile synthetic textile and steel helical wire

Cover: Channeled EPDM rubber

Operating temperature:

-40°C to +125°C
(-40°F to +257°F)

Application:

- For suction and discharge of hot water in industrial applications

Markets:

- Construction
- Industrial

Type of couplings:

- Cam and groove
- Combination nipple

Contact coupling manufacturer for attachment procedure and other coupling recommendations

# Part No.																			
	mtr	ft	DN	mm	in	mm	in	bar	psi	bar	psi	mm	in	kPa	in/Hg	kg/m	lbs/ft	mtr	ft
EHW027-12-	MXX	100	19	19,0	0.75	29	1.14	10,5	150	31	450	40	1.57	94,8	28	0,50	0.34	40-61	100
EHW027-14-	MXX	100	22	22,2	0.88	32	1.26	10,5	150	31	450	45	1.77	94,8	28	0,57	0.38	40-61	100
EHW027-16-	MXX	100	25	25,4	1.00	35	1.38	10,5	150	31	450	50	1.97	94,8	28	0,62	0.41	40-61	100
EHW027-18-	MXX	100	28	28,6	1.12	38	1.50	10,5	150	31	450	55	2.17	94,8	28	0,74	0.49	40-61	100
EHW027-20-	MXX	100	31	31,8	1.25	42	1.65	10,5	150	31	450	65	2.56	94,8	28	0,81	0.54	40-61	100
EHW027-24-	MXX	100	38	38,1	1.50	48	1.89	10,5	150	31	450	85	3.35	94,8	28	1,10	0.74	40-61	100
EHW027-32-	MXX	100	51	50,8	2.00	62	2.44	10,5	150	31	450	120	4.72	94,8	28	1,35	0.91	40-61	100
EHW027-40-	MXX	100	60	63,5	2.50	75	2.95	10,5	150	31	450	160	3.60	94,8	28	1,79	1.20	40-61	100
EHW027-48-	MXX	100	80	76,2	3.00	90	3.54	10,5	150	31	450	190	7.48	94,8	28	2,55	1.71	40-61	100
EHW027-64-	MXX	100	102	101,6	4.00	117	4.61	10,5	150	31	450	280	11.02	94,8	28	3,92	2.64	40-61	100
EHW027-80-	MXX	100	130	127,0	5.00	146	5.75	10,5	150	31	450	350	13.78	80,0	24	6,04	4.06	40-61	100
EHW027-96-	MXX	100	150	152,4	6.00	170	6.69	10,5	150	31	450	550	21.65	80,0	24	6,67	4.48	40-61	100

Water

Hot water

 Refer to warnings and safety information on pages N-1 – N-16.

Use of damaged hose or improper use may result in bodily injury or property damage. Please consult Eaton catalog or Technical Support for proper application.

EHW024

Hot water suction & discharge



Construction:

Tube: EPDM rubber

Reinforcement: High-tensile synthetic textile and steel helical wire

Cover: EPDM rubber

Operating temperature:

-40°C to +125°C
(-40°F to +257°F)

Application:

- For suction and discharge of hot water in industrial applications

Markets:

- Construction
- Industrial

Type of couplings:

- Cam and groove
- Combination nipple

Contact coupling manufacturer for attachment procedure and other coupling recommendations

# Part No.																			
	mtr	ft	DN	mm	in	mm	in	bar	psi	bar	psi	mm	in	kPa	in/Hg	kg/m	lbs/ft	mtr	ft
EHW024-12-	MXX	100	19	19,0	0.75	28	1.10	10,5	150	31	450	70	2.76	94,8	28	0,51	0.34	40-61	100
EHW024-16-	MXX	100	25	25,4	1.00	34	1.34	10,5	150	31	450	95	3.74	94,8	28	0,61	0.41	40-61	100
EHW024-20-	MXX	100	31	31,8	1.25	42	1.65	10,5	150	31	450	125	4.92	94,8	28	0,96	0.65	40-61	100
EHW024-24-	MXX	100	38	38,1	1.50	48	1.89	10,5	150	31	450	150	5.91	94,8	28	1,13	0.76	40-61	100
EHW024-32-	MXX	100	51	50,8	2.00	62	2.44	10,5	150	31	450	215	8.46	94,8	28	1,69	1.14	40-61	100
EHW024-40-	MXX	100	60	63,5	2.50	75	2.95	10,5	150	31	450	280	11.02	94,8	28	2,07	1.39	40-61	100
EHW024-48-	MXX	100	80	76,2	3.00	89	3.50	10,5	150	31	450	350	13.78	94,8	28	2,82	1.89	40-61	100
EHW024-64-	MXX	100	102	101,6	4.00	115	4.53	10,5	150	31	450	490	19.29	94,8	28	3,80	2.55	40-61	100

Water

Hot water

 Refer to warnings and safety information on pages N-1 – N-16.

Use of damaged hose or improper use may result in bodily injury or property damage. Please consult Eaton catalog or Technical Support for proper application.

EHW023

Hot water discharge



Construction:

Tube: EPDM rubber

Reinforcement: High-tensile synthetic textile

Cover: EPDM rubber

Operating temperature:

-40°C to +125°C
(-40°F to +257°F)

Application:

- For delivery of hot water in industrial applications

Markets:

- Automotive
- Industrial

Type of couplings:

- Cam and groove
- Combination nipple

Contact coupling manufacturer for attachment procedure and other coupling recommendations

# Part No.			 Hose I.D.			 Hose O.D.		 Max Oper Pressure		 Burst Pressure		 Weight		 Length	
	mtr	ft	DN	mm	in	mm	in	bar	psi	bar	psi	kg/m	lbs/ft	mtr	ft
EHW023-08-	MXX	100	12	12,7	0.50	20	0.79	10,5	150	31	450	0,28	0.19	40-61	100
EHW023-10-	MXX	100	16	15,9	0.62	23	0.91	10,5	150	31	450	0,32	0.22	40-61	100
EHW023-12-	MXX	100	19	19,0	0.75	27	1.06	10,5	150	31	450	0,42	0.28	40-61	100
EHW023-16-	MXX	100	25	25,4	1.00	33	1.30	10,5	150	31	450	0,48	0.32	40-61	100
EHW023-20-	MXX	100	31	31,8	1.25	41	1.61	10,5	150	31	450	0,72	0.48	40-61	100
EHW023-24-	MXX	100	38	38,1	1.50	47	1.85	10,5	150	31	450	0,86	0.57	40-61	100
EHW023-28-	MXX	100	45	44,5	1.75	54	2.13	10,5	150	31	450	1,05	0.71	40-61	100
EHW023-32-	MXX	100	51	50,8	2.00	60	2.36	10,5	150	31	450	1,13	0.76	40-61	100
EHW023-40-	MXX	100	60	63,5	2.50	74	2.91	10,5	150	31	450	1,59	1.07	40-61	100
EHW023-44-	MXX	100	70	70,0	2.75	82	3.23	10,5	150	31	450	2,12	1.42	40-61	100
EHW023-48-	MXX	100	80	76,2	3.00	88	3.46	10,5	150	31	450	2,12	1.42	40-61	100
EHW023-64-	MXX	100	102	101,6	4.00	115	4.53	10,5	150	31	450	3,14	2.11	40-61	100
EHW023-80-	MXX	100	130	127,0	5.00	140	5.51	10,5	150	31	450	3,68	2.47	40-61	100
EHW023-96-	MXX	100	150	152,4	6.00	165	6.50	10,5	150	31	450	4,35	2.92	40-61	100
EHW023-128-	M20	20	200	203,2	8.00	222	8.74	10,5	150	31	450	8,81	5.92	20	20

H1196

ROYALFLEX™ water



Construction:

Tube: Thermoplastic vinyl nitrile

Reinforcement: 100% polyester and helical wire

Cover: Thermoplastic vinyl nitrile

MSHA approved

Operating temperature:

-29°C to +82°C
(-20°F to +180°F)

Application:

- Transfer of water, liquid diluted fertilizers and pesticides
- Pumping, suction, and discharge of water and slurries

Markets:

- Petroleum industry
- Oil and gas exploration
- Tank trucks
- Waste hauling
- Batch plants

Type of couplings:

- Male NPT
- Cam and groove

Contact coupling manufacturer for attachment procedure and other coupling recommendations

# Part No.	Hose I.D.		Hose O.D.		Max Oper Pressure		Burst Pressure		Minimum Bend Radius		Vacuum		Weight		Length		
	DN	mm	in	mm	in	bar	psi	bar	psi	mm	in	kPa	in/Hg	kg/m	lbs/ft	mtr	ft
H119624	38	38,1	1.50	50,8	2.00	20,7	300	83	1200	152,4	6.00	100	30	1,19	0.81	15,2	50
H119624-100	38	38,1	1.50	50,8	2.00	20,7	300	83	1200	152,4	6.00	100	30	1,19	0.81	30,5	100
H119624-120	38	38,1	1.50	50,8	2.00	20,7	300	83	1200	152,4	6.00	100	30	1,19	0.81	36,6	120
H119632	51	50,8	2.00	63,5	2.50	20,7	300	83	1200	203,2	8.00	100	30	1,64	1.10	15,2	50
H119632-100	51	50,8	2.00	63,5	2.50	20,7	300	83	1200	203,2	8.00	100	30	1,64	1.10	30,5	100
H119632-120	51	50,8	2.00	63,5	2.50	20,7	300	83	1200	203,2	8.00	100	30	1,64	1.10	36,6	120
H119640	60	63,5	2.50	76,2	3.00	20,7	300	83	1200	254,0	10.00	100	30	1,99	1.34	15,2	50
H119640-100	60	63,5	2.50	76,2	3.00	20,7	300	83	1200	254,0	10.00	100	30	1,99	1.34	30,5	100
H119640-120	60	63,5	2.50	76,2	3.00	20,7	300	83	1200	254,0	10.00	100	30	1,99	1.34	36,0	120
H119648	80	76,2	3.00	88,9	3.50	17,2	250	70	1000	304,8	12.00	100	30	2,98	2.00	15,2	50
H119648-100	80	76,2	3.00	88,9	3.50	17,2	250	70	1000	304,8	12.00	100	30	2,98	2.00	30,5	100
H119648-120	80	76,2	3.00	88,9	3.50	17,2	250	70	1000	304,8	12.00	100	30	2,98	2.00	36,6	120
H119664	102	101,6	4.00	114,3	4.50	13,8	200	41	600	406,4	16.00	100	30	4,05	2.72	15,2	50
H119664-100	102	101,6	4.00	114,3	4.50	13,8	200	41	600	406,4	16.00	100	30	4,05	2.72	30,5	100
H119664-120	102	101,6	4.00	114,3	4.50	13,8	200	41	600	406,4	16.00	100	30	4,05	2.72	36,6	120

*Additional lengths available

Water Specialty

 Refer to warnings and safety information on pages N-1 – N-16.

Use of damaged hose or improper use may result in bodily injury or property damage. Please consult Eaton catalog or Technical Support for proper application.

EHW022 Heavy duty radiator car heater



Construction:

Tube: EPDM rubber
Reinforcement: High-tensile synthetic textile
Cover: EPDM rubber

Operating temperature:

-40°C to +125°C
 (-40°F to +257°F)

Application:

- For delivery of hot water in industrial applications

Markets:

- Industrial
- Automotive

Type of couplings:

Contact coupling manufacturer for attachment procedure and other coupling recommendations

# Part No.			 Hose I.D.			 Hose O.D.		 Max Oper Pressure		 Burst Pressure		 Minimum Bend Radius		 Weight		 Length	
	mtr	ft	DN	mm	in	mm	in	bar	psi	bar	psi	mm	in	kg/m	lbs/ft	mtr	ft
EHW022-06-	MXX	300	10	9,5	0.38	17	0.67	10,5	150	31	450	80	3.15	0,18	0.12	100	300
EHW022-08-	MXX	300	12	12,7	0.50	20	0.79	10,5	150	31	450	105	4.13	0,22	0.14	100	300
EHW022-10-	MXX	300	16	15,9	0.62	23	0.91	10,5	150	31	450	160	6.30	0,25	0.17	100	300
EHW022-12-	MXX	300	19	19,0	0.75	28	1.10	10,5	150	31	450	190	7.48	0,39	0.26	100	300
EHW022-16-	MXX	300	25	25,4	1.00	34	1.34	10,5	150	31	450	250	9.84	0,49	0.33	100	300

DIN 73411 on request.

EHW021

Radiator car heater



Construction:

Tube: EPDM rubber

Reinforcement: High-tensile synthetic textile

Cover: EPDM rubber

Operating temperature:

-40°C to +120°C
(-40°F to +248°F)

Application:

- For hot water discharge in industrial application

Markets:

- Industrial
- Automotive

Type of couplings:

Contact coupling manufacturer for attachment procedure and other coupling recommendations

# Part No.			 Hose I.D.			 Hose O.D.		 Max Oper Pressure		 Burst Pressure		 Weight		 Length	
			mtr	ft	DN	mm	in	mm	in	bar	psi	bar	psi	kg/m	lbs/ft
EHW021-04-	MXX	300	6	6,4	0.25	12	0.47	4,0	60	12,5	180	0,12	0.08	100	300
EHW021-05-	MXX	300	8	7,9	0.31	14	0.55	4,0	60	12,5	180	0,14	0.09	100	300
EHW021-06-	MXX	300	10	9,5	0.38	16	0.63	4,0	60	12,5	180	0,17	0.11	100	300
EHW021-08	MXX	300	12	12,7	0.50	20	0.79	4,0	60	12,5	180	0,26	0.17	100	300
EHW021-10-	MXX	300	16	15,9	0.62	23	0.91	4,0	60	12,5	180	0,29	0.19	100	300
EHW021-12-	MXX	300	19	19,0	0.75	27	1.06	4,0	60	12,5	180	0,39	0.26	100	300
EHW021-16-	MXX	300	25	25,4	1.00	35	1.38	4,0	60	12,5	180	0,64	0.43	100	300

DIN 73411 on request

Water

Specialty

 Refer to warnings and safety information on pages N-1 – N-16.

Use of damaged hose or improper use may result in bodily injury or property damage. Please consult Eaton catalog or Technical Support for proper application.

EHW002

Radiator hose



Construction:

Tube: EPDM rubber

Reinforcement: High-tensile synthetic textile

Cover: EPDM rubber

Operating temperature:

-40°C to +125°C
(-40°F to +257°F)

Application:

- Conveying hot water mixed with anti-freeze liquids in cooling systems, automotive and stationary engines

Markets:

- Automotive engine
- In-plant transfer
- Cooling systems

Type of couplings:

Contact coupling manufacturer for attachment procedure and other coupling recommendations

# Part No.			 Hose I.D.			 Hose O.D.		 Max Oper Pressure		 Burst Pressure		 Weight		 Length	
	mtr	ft	DN	mm	in	mm	in	bar	psi	bar	psi	kg/m	lbs/ft	mtr	ft
EHW002-08-	MXX	100	12	12,7	0.50	19,0	0.75	4,0	60	12,5	180	0,21	0.14	40-61	100
EHW002-10-	MXX	100	16	16,0	0.63	22,0	0.87	4,0	60	12,5	180	0,26	0.17	40-61	100
EHW002-M18-	MXX	100	18	18,0	0.71	24,0	0.95	4,0	60	12,5	180	0,29	0.19	40-61	100
EHW002-12-	MXX	100	19	19,0	0.75	25,0	0.98	4,0	60	12,5	180	0,30	0.20	40-61	100
EHW002-M20-	MXX	100	20	20,0	0.79	26,0	1.02	4,0	60	12,5	180	0,32	0.21	40-61	100
EHW002-14-	MXX	100	22	22,0	0.88	28,0	1.10	4,0	60	12,5	180	0,34	0.23	40-61	100
EHW002-16-	MXX	100	25	25,4	1.00	32,0	1.26	4,0	60	12,5	180	0,43	0.30	40-61	100
EHW002-18-	MXX	100	28	28,0	1.13	34,5	1.36	4,0	60	12,5	180	0,47	0.32	40-61	100
EHW002-19-	MXX	100	30	30,0	1.19	38,0	1.50	4,0	60	12,5	180	0,60	0.40	40-61	100
EHW002-20-	MXX	100	31	32,0	1.25	40,0	1.57	4,0	60	12,5	180	0,64	0.43	40-61	100
EHW002-22-	MXX	100	35	35,0	1.38	43,0	1.69	4,0	60	12,5	180	0,69	0.46	40-61	100
EHW002-24-	MXX	100	38	38,0	1.50	47,0	1.85	4,0	60	12,5	180	0,85	0.57	40-61	100
EHW002-25-	MXX	100	40	40,0	1.56	49,0	1.93	4,0	60	12,5	180	0,89	0.60	40-61	100
EHW002-26-	MXX	100	41	42,0	1.63	51,0	2.01	4,0	60	12,5	180	0,93	0.63	40-61	100
EHW002-28-	MXX	100	45	44,5	1.75	54,0	2.13	4,0	60	12,5	180	1,05	0.71	40-61	100
EHW002-30-	MXX	100	48	48,0	1.88	57,5	2.26	4,0	60	12,5	180	1,12	0.75	40-61	100
EHW002-32-	MXX	100	51	50,8	2.00	60,0	2.36	4,0	60	12,5	180	1,18	0.79	40-61	100
EHW002-34-	MXX	100	56	55,0	2.19	65,0	2.56	4,0	60	12,5	180	1,36	0.91	40-61	100
EHW002-38-	MXX	100	59	60,0	2.38	70,0	2.76	4,0	60	12,5	180	1,47	0.98	40-61	100
EHW002-40-	MXX	100	60	63,5	2.50	73,5	2.89	4,0	60	12,5	180	1,49	1.00	40-61	100
EHW002-44-	MXX	100	70	70,0	2.75	80,0	3.15	4,0	60	12,5	180	1,63	1.10	40-61	100
EHW002-48-	MXX	100	80	76,2	3.00	86,0	3.39	4,0	60	12,5	180	1,77	1.19	40-61	100
EHW002-50-	MXX	100	80	80,0	3.13	90,0	3.54	4,0	60	12,5	180	1,85	1.24	40-61	100
EHW002-56-	MXX	100	90	90,0	3.50	100,0	3.94	4,0	60	12,5	180	2,07	1.39	40-61	100
EHW002-64-	MXX	100	102	101,6	4.00	111,5	4.39	4,0	60	12,5	180	2,30	1.55	40-61	100

DIN 73411 on request

EHS520

Sewer jetting



Construction:

Tube: Synthetic rubber

Reinforcement: High-tensile synthetic textile

Cover: Synthetic rubber

Operating temperature:

-40°C to +70°C
(-40°F to +158°F)

Application:

- For high pressure water cleaning and rinsing of sewage systems

Markets:

- Waste management

Type of couplings:

Contact coupling manufacturer for attachment procedure and other coupling recommendations

# Part No.			 Hose I.D.			 Hose O.D.		 Max Oper Pressure		 Burst Pressure		 Minimum Bend Radius		 Weight		 Length	
	mtr	ft	DN	mm	in	mm	in	bar	psi	bar	psi	mm	in	kg/m	lbs/ft	mtr	ft
EHS520-08-	MXX		12	12,7	0.50	25,0	0.98	200	2900	500	7250	65	2.56	0,43	0.29	Max.240	
EHS520-10-	MXX		16	15,9	0.62	28,0	1.10	200	2900	500	7250	80	3.15	0,45	0.30	Max.240	
EHS520-12-	MXX		19	19,0	0.75	31,6	1.24	200	2900	500	7250	90	3.54	0,55	0.37	Max.240	
EHS520-16-	MXX		25	25,4	1.00	39,3	1.55	200	2900	500	7250	105	4.13	0,77	0.52	Max.240	
EHS520-20-	MXX		31	31,8	1.25	48,0	1.89	200	2900	500	7250	140	5.51	1,04	0.70	Max.240	
EHS520-24-	MXX		38	38,1	1.50	54,0	2.13	200	2900	500	7250	150	5.91	1,23	0.83	Max.240	

Water

Sewer cleaning

 Refer to warnings and safety information on pages N-1 – N-16.

Use of damaged hose or improper use may result in bodily injury or property damage. Please consult Eaton catalog or Technical Support for proper application.

EHS540

Sewer jetting



Construction:

Tube: Synthetic rubber

Reinforcement: High-tensile synthetic textile

Cover: Synthetic rubber

Operating temperature:

-40°C to +70°C
(-40°F to +158°F)

Application:

- For high pressure water cleaning and rinsing of sewage systems

Markets:

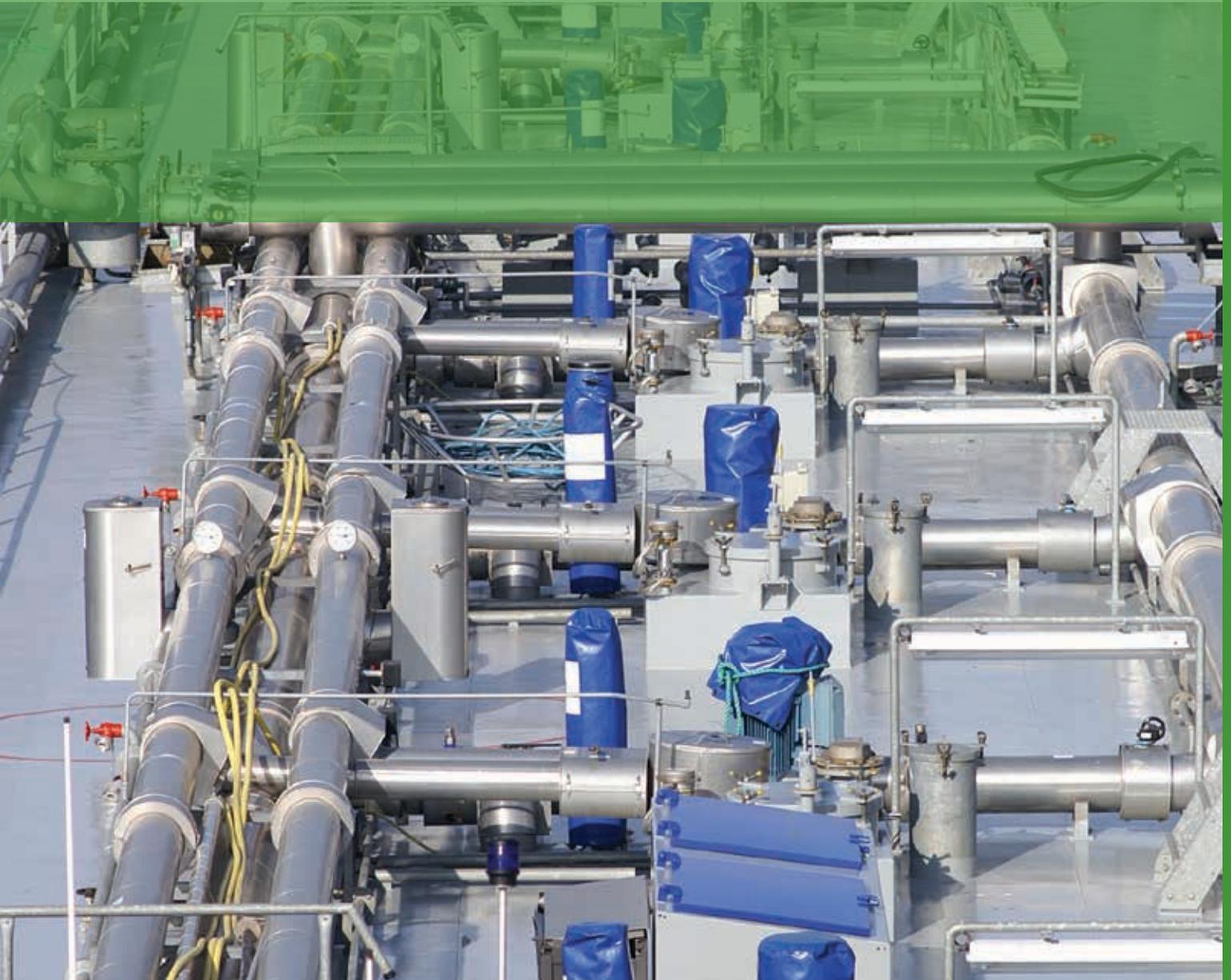
- Waste management

Type of couplings:

Contact coupling manufacturer for attachment procedure and other coupling recommendations

# Part No.			 Hose I.D.			 Hose O.D.		 Max Oper Pressure		 Burst Pressure		 Minimum Bend Radius		 Weight		 Length	
	mtr	ft	DN	mm	in	mm	in	bar	psi	bar	psi	mm	in	kg/m	lbs/ft	mtr	ft
EHS540-08-	MXX		12	12,7	0.50	25,0	0.98	250	3625	625	9065	65	2.56	0,44	0.30	Max.240	
EHS540-10-	MXX		16	15,9	0.62	28,0	1.10	250	3625	625	9065	75	2.95	0,48	0.32	Max.240	
EHS540-12-	MXX		19	19,0	0.75	31,6	1.24	250	3625	625	9065	90	3.54	0,56	0.38	Max.240	
EHS540-16-	MXX		25	25,4	1.00	39,3	1.55	250	3625	625	9065	100	3.94	0,78	0.52	Max.240	
EHS540-20-	MXX		31	31,8	1.25	48,0	1.89	250	3625	625	9065	130	5.12	1,06	0.71	Max.240	
EHS540-24-	MXX		38	38,1	1.50	54,0	2.13	250	3625	625	9065	150	5.91	1,25	0.84	Max.240	

Chemical Resistance



Chemical resistance

Charts

Please refer to **Eaton PowerSource** for the most up-to-date Fluid Compatibility information.

Chemical compatibility chart

⚠ WARNING – This information provides guidelines for the safe use of Eaton Industrial Hose and Tubing. The information shown here was gathered through testing, and is accurate for controlled conditions (at 70°F unless otherwise noted). Factors such as concentration, fluid contamination, and extreme temperatures may affect these performance specifications. Contact Eaton for recommendation and assistance.

⚠ WARNING – Selection of hose: Selection of the proper hose for the application is essential to the proper

operation and safe use of the hose and related equipment. Inadequate attention to selection of the hose for your application can result in serious bodily injury or property damage from spraying fluids or flying projectiles. In order to avoid serious bodily injury or property damage resulting from selection of the wrong hose, you should carefully review the information in this catalog.

⚠ WARNING – Selection of hose fittings: Selection of the proper fittings for the hose and application is essential to the proper operation and safe use of the hose

and related equipment. Inadequate attention to the selection of the fittings for your application can result in serious bodily injury or property damage resulting from spraying fluids or flying projectiles. In order to avoid serious bodily injury or property damage resulting from selection of the wrong fitting, you should carefully review the information in this catalog.

⚠ WARNING – Chemical resistance properties: The following list of chemicals is offered as a guide to the chemical resistance properties of the tube material of the hoses shown. It should be

used as a guide only, as the degree of resistance of any elastomer to a particular fluid depends upon such variables as temperature, concentration, pressure conditions, velocity of flow, duration of exposure, aeration, stability of the fluid, etc.

Therefore, when in doubt, it is advisable not to use the hose. If this is not practical, tests should be devised that simulate actual service conditions as nearly as possible. Eaton offers additional technical assistance.

Fluid	Hose and Tubing material																		Metals			
	UHMW	XLPE	PVC	Nitrile	Vinyl Nitrile	Neoprene	Teflon (PTFE)	Teflon (FEP)	Nylon 6/66	EPDM	Hypalon	Natural Rubber/SBR	Hytrel	Polyurethane	CPE	EVA	LLDPE	Nylon 11	PVC / PU Blends	Brass	Steel	316 Stainless
Acetaldehyde	G	G	X	X	X	X	G	G	F	G	F	X	X	X	—	G	X	G	X	X	X	G
Acetic Acid (Concentrated)	G	G	X	X	X	X	G	G	X	G	X	X	X	X	G	X	X	X	X	X	X	G
Acetic Acid (Dilute)	G	G	F	X	X	F	G	G	X	G	F	X	G	X	G	G	G	F	X	X	X	G
Acetic Anhydride	G	G	X	G	G	X	G	G	X	G	F	X	X	X	G	X	X	X	X	X	F	F
Acetone	G	G	X	X	X	X	G	G	F	G	F	X	F	X	G	X	G	G	X	G	G	G
Acrylonitrile	G	G	G	X	X	X	G	G	—	X	X	X	—	X	G	—	—	G	X	—	G	G
Air	G	G	G	G	G	G	G	G	G	G	G	G	G	G	G	G	G	G	G	G	G	G
Alcohols:																						
Amyl Alc.	G	G	X	G	G	F	G	G	G	G	G	G	G	X	G	G	G	G	F	G	F	F
Butyl Alc., Butanol	G	G	X	G	G	G	G	G	G	G	G	—	X	G	G	G	G	X	G	G	G	
Ethyl Alc., Ethanol	G	G	F	G	G	G	G	G	G	G	G	G	X	G	F	G	G	G	G	F	G	
Isopropyl Alcohol Isopropanol	G	G	G	G	G	G	G	G	G	G	G	G	X	G	G	G	G	G	G	G	G	G
Methyl Alcohol Methanol	G	G	X	G	G	G	G	G	G	G	G	G	X	G	G	G	G	F	G	F	G	

G - Good F - Fair X - Not Recommended — - Insufficient Information *For Intermittent Transfer Only **Use Approved Freon Hose
 ***Use Propane Approved Hose Only ◇ Use Pinpricked Hose for Gas Applications

Chemical resistance

Charts

Fluid	Hose and Tubing material																		Metals			
	UHMW	XLPE	PVC	Nitrile	Vinyl Nitrile	Neoprene	Teflon (PTFE)	Teflon (FEP)	Nylon 6/66	EPDM	Hypalon	Natural Rubber/SBR	Hytrel	Polyurethane	CPE	EVA	LLDPE	Nylon 11	PVC / PU Blends	Brass	Steel	316 Stainless
Aluminum Chloride	G	G	G	G	G	G	G	G	X	G	G	G	G	G	G	G	G	X	G	X	X	F
Aluminum Fluoride	G	G	G	G	G	F	G	G	X	G	G	G	—	G	X	G	G	X	G	X	X	X
Aluminum Hydroxide	G	G	G	G	G	G	G	G	G	G	G	—	G	G	G	G	G	G	G	X	F	G
Aluminum Nitrate	G	G	G	G	G	G	G	G	F	G	G	G	—	X	—	G	G	G	G	X	X	G
Aluminum Sulfate	G	G	G	G	G	G	G	G	F	G	G	G	G	G	G	G	G	G	G	X	X	G
Alums	G	G	G	G	G	G	G	G	G	G	G	X	G	G	G	G	G	F	G	X	X	F
Ammonia, Anhydrous	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	X	F	G
Ammonia Solution (10%)	G	G	G	G	G	F	G	G	X	G	G	F	X	X	X	—	G	G	—	X	G	G
Ammonium Chloride	G	G	G	G	G	G	G	G	X	G	G	G	G	F	G	G	G	X	G	X	G	F
Ammonium Hydroxide	G	G	X	F	F	F	G	G	X	G	G	F	X	X	G	G	G	G	F	X	F	G
Ammonium Nitrate	G	G	G	G	G	G	G	G	G	G	G	G	G	X	G	G	G	G	G	—	—	G
Ammonium Phosphate	G	G	F	G	G	G	G	G	G	G	G	G	G	F	G	G	G	G	G	X	X	G
Ammonium Sulfate	G	G	G	G	G	G	G	G	G	G	G	G	G	G	G	G	G	G	G	X	X	F
Amyl Acetate	G	G	X	X	X	X	G	G	G	F	X	X	F	X	X	X	X	G	X	G	F	G
Amyl Alcohol	G	G	X	G	G	F	G	G	G	G	G	G	X	G	G	G	G	X	G	F	F	F
Aniline	G	G	X	X	X	X	G	G	X	X	X	X	X	X	X	X	X	X	X	X	G	G
Aniline Dyes	G	G	X	F	F	F	G	G	X	G	F	F	X	X	X	X	X	X	X	X	X	F
Animal Oils and Fats	G	G	G	G	G	X	G	G	—	F	F	X	G	X	F	X	X	G	X	G	G	G
Anti—Freeze (Glycol Base)	G	G	G	G	G	G	G	G	—	G	G	G	X	G	G	F	G	G	G	G	G	G
Aqua Regia	X	X	X	X	X	X	G	F	X	X	X	X	X	X	X	X	X	X	F	—	X	X
Aromatic Hydrocarbons	G*	G*	X	X	X	X	G	G	G	X	X	X	X	X	—	G*	G	—	G	G	G	G
Asphalt Emulsion	X	X	X	G	X	X	G	G	—	X	X	X	G	X	F	X	—	G	F	G	G	G
Barium Chloride	G	G	G	G	G	G	G	G	—	G	G	G	G	G	G	G	G	G	G	X	F	G
Barium Hydroxide	G	G	G	G	G	G	G	G	G	G	G	G	X	G	G	G	G	G	X	G	G	G
Barium Sulfate	G	G	G	G	G	G	G	G	G	G	G	X	G	X	G	G	G	G	G	G	G	G
Barium Sulfide	G	G	G	G	G	G	G	G	—	G	G	G	X	G	G	G	G	X	G	X	X	G

G - Good F - Fair X - Not Recommended — - Insufficient Information *For Intermittent Transfer Only **Use Approved Freon Hose
 ***Use Propane Approved Hose Only ◇ Use Pinpricked Hose for Gas Applications

Chemical resistance

Charts

Fluid	Hose and Tubing material																		Metals			
	UHMW	XLPE	PVC	Nitrile	Vinyl Nitrile	Neoprene	Teflon (PTFE)	Teflon (FEP)	Nylon 6/66	EPDM	Hypalon	Natural Rubber/SBR	Hytrell	Polyurethane	CPE	EVA	LLDPE	Nylon 11	PVC / PU Blends	Brass	Steel	316 Stainless
Beet Sugar Liquors	G	G	G	G	G	G	G	G	G	X	G	G	—	X	G	G	G	G	—	X	G	G
Benzaldehyde	G	G	X	X	X	X	G	G	G	F	X	X	X	X	X	X	X	G	X	F	F	G
Benzene, Benzol	G*	G*	X	X	X	X	G	G	G	X	X	X	X	X	F	X	X	G	F	G	G	G
Benzoic Acid	G	G	X	X	X	G	G	G	X	X	X	X	X	X	G	G	G	X	G	F	X	F
Black Sulfate Liquor	G	F	X	F	F	G	G	G	X	G	F	X	G	X	X	G	G	X	G	X	G	G
Bleach Solution	F	F	F	X	X	X	G	G	X	G	F	X	F	F	G	G*	G	X	G	X	X	G
Borax Solution	G	G	G	F	F	G	G	G	—	G	G	G	G	G	G	G	G	G	G	G	G	G
Boric Acid	G	G	G	G	G	G	G	G	G	G	G	G	G	G	X	G	G	G	G	X	X	G
Brake Fluid (Glycol Ether Base)	G	G	X	X	X	F	G	G	—	G	X	X	—	X	G	—	X	G	X	G	G	G
Brine	G	G	G	G	G	G	G	G	—	G	G	G	G	X	G	G	G	G	G	—	X	F
Bromine	X	X	X	X	X	X	G	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X
Butyl Acetate	G	G	X	X	X	X	G	G	—	F	X	X	F	X	F	—	X	G	X	G	G	G
Butyl Alcohol, Butanol	G	G	X	G	G	G	G	G	G	G	G	G	G	X	G	G	G	G	F	G	G	G
Calcium Bisulfite	G	G	G	G	G	G	G	G	X	G	G	G	X	G	X	G	G	G	G	X	X	X
Calcium Chloride	G	G	G	G	G	G	G	G	X	G	G	G	G	G	G	G	G	G	G	X	F	F
Calcium Hydroxide	G	G	G	F	F	G	G	G	G	G	F	G	G	X	G	G	G	G	G	F	G	G
Calcium Hypochlorite	G	G	G	F	F	F	G	G	X	G	F	X	F	X	G	G	G	X	G	F	X	F
Cane Sugar Liquors	G	G	G	G	G	G	G	G	—	G	G	G	G	X	G	G	G	G	—	F	G	G
Carbon Dioxide (Dry)	G	G	G	G	G	G	G	G	G	G	G	F	G	G	G	G	G	G	G	G	G	G
Carbon Dioxide (Wet)	G	G	G	G	G	G	G	G	G	G	G	F	—	G	—	G	G	G	G	F	G	G
Carbon Disulfide (Bisulfide)	F	X	X	X	X	X	G	G	X	X	X	X	X	G	X	—	X	X	—	G	G	G
Carbon Monoxide (Hot)	—	—	X	F	F	F	G	G	X	F	G	X	G	F	G	G	X	X	G	X	F	G
Carbon Tetrachloride	G*	G*	X	X	X	X	G	G	G	X	X	X	F	X	X	—	X	G	X	G	G	G
Carbonic Acid	G	G	G	G	G	G	G	G	—	G	G	G	X	G	X	G	G	G	G	X	X	F
Castor Oil	G	G	G	G	G	F	G	G	—	F	G	X	F	F	G	X	X	G	G	G	G	G
Cellosolve Acetate	G	G	X	X	X	X	G	G	—	F	F	X	X	X	X	—	G	G	X	X	G	G
Chlorinated Solvents	G*	G*	X	X	X	X	G	G	G	X	X	X	X	X	X	—	X	F	X	G	G	F

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Chemical resistance

Charts

Fluid	Hose and Tubing material																		Metals			
	UHMW	XLPE	PVC	Nitrile	Vinyl Nitrile	Neoprene	Teflon (PTFE)	Teflon (FEP)	Nylon 6/66	EPDM	Hypalon	Natural Rubber/SBR	Hytrel	Polyurethane	CPE	EVA	LLDPE	Nylon 11	PVC / PU Blends	Brass	Steel	316 Stainless
Chloroacetic Acid	G	G	X	X	X	X	G	G	X	F	X	X	X	X	X	X	X	X	F	X	X	F
Chlorobenzene	G*	G*	X	X	X	X	G	G	X	X	X	X	X	—	X	X	X	X	X	F	F	G
Chlorine Gas (Dry)	X	X	X	X	X	X	G	X	X	X	X	X	X	X	X	X	X	X	G	F	F	G
Chlorine Gas (Wet)	X	X	X	X	X	X	G	X	X	X	X	X	X	X	X	X	X	X	F	X	X	X
Chloroform	G*	G*	X	X	X	X	G	G	G	X	X	X	X	X	X	X	X	F	U	G	G	G
Chlorosulfonic Acid	F*	F*	X	X	X	X	G	G	X	X	X	X	X	X	X	X	X	X	X	X	F	X
Chromic Acid (under 25%)	G	X	F	X	X	X	G	G	X	G	G	X	X	X	G	F	X	G	X	X	X	G
Chromic Acid (25-40%)	G	X	X	X	X	X	G	G	X	G	G	X	X	X	F	X	X	F	X	X	F	
Citric Acid	G	G	G	F	F	G	G	G	F	G	G	G	G	X	X	G	G	X	G	X	X	G
Coke Oven Gas	X	X	X	X	X	X	G	G	—	X	X	X	—	X	X	—	G	—	G	F	G	G
Copper Chloride	G	G	G	G	G	F	G	G	X	G	G	G	G	G	X	G	G	X	G	X	X	G
Copper Cyanide	G	G	G	G	G	F	G	G	G	G	G	—	G	—	G	G	G	G	X	X	G	
Copper Sulfate	G	G	G	G	G	G	G	G	G	G	G	G	G	G	G	G	G	G	X	X	G	
Corn Syrup (Non-food)	G	G	G	G	G	F	G	G	—	G	F	F	G	G	—	G	G	G	—	G	G	
Cottonseed Oil	G	G	F	G	G	X	G	G	—	F	F	X	G	G	G	G	G	G	G	G	G	
Creosote	G	G	X	F	F	X	G	G	X	X	F	X	X	F	F	X	X	X	X	F	—	G
Cresol	G	G	X	X	X	X	G	G	X	X	X	X	X	X	G	X	X	X	—	—	G	G
Cyclohexanol	G	G	X	F	F	F	G	G	G	G	F	—	—	G	G	F	G	X	G	F	G	
Dextrose (Food Grade)	G	X	X	X	X	X	G	G	X	X	X	X	X	X	G	G	X	—	—	—	G	
Dichlorobenzene	G*	G*	X	X	X	X	G	G	—	X	X	X	X	X	X	X	G	X	—	—	G	
Diesel Fuel	G	G	X	G	G	X	G	G	—	X	F	X	F	F	G	—	X	G	—	G	G	G
Diethanolamine	G	G	X	F	X	X	G	G	—	G	X	F	X	X	—	—	—	G	—	X	G	G
Diethylentriamine	G	G	X	F	X	X	G	G	X	G	X	F	—	X	—	—	G	X	—	—	—	
Dowtherm A	—	—	X	X	X	X	G	G	X	X	X	X	X	—	X	X	X	X	X	X	F	G
Enamel (Solvent Base)	G	G	X	F	F	X	G	G	—	X	X	X	G	—	G	—	G	G	—	G	—	G
Ethanolamine	G	G	X	F	F	X	G	G	—	G	X	G	—	X	—	—	G	G	—	X	G	G
Ethers (Ethyl Ether)	G	G	X	X	X	X	G	G	—	X	X	X	X	X	G	X	X	G	X	G	G	G
Ethyl Alcohol	G	G	F	G	G	G	G	G	G	G	G	G	G	G	F	G	G	G	F	G	G	

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Chemical resistance

Charts

Fluid	Hose and Tubing material																		Metals			
	UHMW	XLPE	PVC	Nitrile	Vinyl Nitrile	Neoprene	Teflon (PTFE)	Teflon (FEP)	Nylon 6/66	EPDM	Hypalon	Natural Rubber/SBR	Hytrek	Polyurethane	CPE	EVA	LLDPE	Nylon 11	PVC / PU Blends	Brass	Steel	316 Stainless
Ethyl Acetate	G	G	X	X	X	X	G	G	G	G	X	X	F	X	F	F	G	G	X	G	G	G
Ethyl Acrylate	G	G	X	X	X	X	G	G	—	F	X	X	—	X	F	—	—	X	X	—	G	G
Ethyl Methacrylate	G	G	X	X	X	X	G	G	—	F	X	X	—	X	F	—	—	X	—	—	G	G
Ethylamine	G	G	X	X	X	X	G	G	X	F	X	X	—	X	—	—	G	X	—	G	—	G
Ethyl Cellulose	G	G	X	F	F	F	G	G	—	F	F	G	—	F	G	—	G	F	—	F	G	F
Ethyl Chloride	G*	G*	X	X	X	X	G	G	—	X	X	X	X	F	X	X	X	G	X	F	F	G
Ethylene-diamine	G	G	X	F	X	G	G	G	X	G	F	G	—	X	—	—	G	X	—	G	G	G
Ethylene Dibromide	G	G	X	X	X	X	G	G	—	X	X	X	—	X	—	—	—	F	—	—	—	—
Ethylene Dichloride	G*	G*	X	X	X	X	G	G	—	X	X	X	X	X	X	X	X	F	X	G	X	X
Ethylene Glycol	G	G	G	G	G	G	G	G	G	G	G	G	G	F	G	G	G	G	G	F	G	G
Ethylene Oxide	G	G	X	X	X	X	G	G	—	X	X	X	G	X	X	X	X	G	X	X	F	F
Fatty Acids	G	G	G	F	F	X	G	G	G	F	X	X	G	—	F	F	G	G	G	F	F	G
Ferric Chloride 5%	G	G	G	G	G	G	G	G	G	G	G	G	—	F	G	G	G	G	G	X	X	X
Ferric Sulfate	G	G	G	G	G	G	G	G	G	G	G	G	—	G	G	G	G	G	G	X	X	F
Fertilizer Salts Solution	G	G	G	F	F	F	G	G	—	G	G	G	—	—	—	—	F	G	—	—	—	G
Formaldehyde	G	G	X	F	F	F	G	G	G	G	X	F	F	X	G	G	G	X	G	F	X	G
Formic Acid	G	G	X	F	F	F	G	G	X	G	X	X	X	X	G	G	G	X	—	F	X	G
Freon 12**	—	—	—	—	—	—	G	—	—	—	—	—	—	—	—	—	—	—	—	G	G	G
Freon 134a**	—	—	—	—	—	—	G	—	—	—	—	—	—	—	—	—	—	—	—	—	G	G
Fuel Oil	G	G	F	G	G	F	G	G	—	X	X	X	—	F	G	X	X	G	G	F	G	G
Furfural	G	G	X	X	X	X	G	G	X	F	F	X	—	—	F	X	X	X	X	F	G	G
Gasoline (Refined)	G	G	X	F	F	X	G	G	G	X	X	X	G	F	G	—	X	G	X	G	G	G
Gasoline (Unleaded)	G	G	X	G	G	X	G	G	G	X	F	X	X	X	G	—	X	G	F	G	G	G
Gasoline (10% Ethanol)	G	G	X	G	G	X	G	G	G	X	X	X	X	X	—	—	X	G	F	G	G	G
Gasoline (10% Methanol)	G	G	X	F	F	X	G	G	G	X	X	X	X	X	—	—	X	G	F	G	G	G
Glucose (Non-food)	G	G	G	G	G	G	G	G	G	G	G	G	G	G	G	G	G	G	G	G	G	G
Glycerine, Glycerol (Non-food)	G	G	G	G	G	G	G	G	G	G	G	G	G	X	G	G	G	G	G	G	G	G
Greases	G	G	G	G	G	F	G	G	X	F	X	G	G	G	—	G	G	G	G	G	G	G
Green Sulfate Liquor	G	G	G	F	F	F	G	G	X	G	G	G	X	G	X	G	G	X	F	X	X	G
Heptane	G	G	X	G	G	F	G	G	G	X	F	X	G	F	G	X	X	G	G	G	G	G

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Chemical resistance

Charts

Fluid	Hose and Tubing material																		Metals			
	UHMW	XLPE	PVC	Nitrile	Vinyl Nitrile	Neoprene	Teflon (PTFE)	Teflon (FEP)	Nylon 6/66	EPDM	Hypalon	Natural Rubber/SBR	Hytrel	Polyurethane	CPE	EVA	LLDPE	Nylon 11	PVC / PU Blends	Brass	Steel	316 Stainless
Hexane	G	G	X	G	G	F	G	G	G	X	F	X	G	F	G	X	X	G	X	G	G	G
Houghto Safe 273 to 640	G	G	F	G	G	G	G	—	G	—	F	—	X	G	—	G	G	—	G	G	G	G
Houghto Safe 5046, 5047F	G	G	G	G	G	G	G	—	X	X	X	G	X	G	—	G	G	—	G	G	G	G
Houghto Safe 1000 Series	G	G	X	X	X	X	G	G	—	G	X	X	—	X	—	X	G	—	G	G	G	G
Hydraulic Oils:																						
Straight Petroleum Base	G	G	G	G	G	F	G	G	G	X	F	X	G	G	G	F	G	G	G	G	G	G
Water Petroleum Emulsion	G	G	—	G	G	F	G	G	—	X	F	X	G	X	G	—	F	G	—	G	G	G
Water Glycol	G	G	X	G	G	G	G	G	G	X	F	X	X	G	—	—	G	—	G	G	G	G
Hydraulic Oils:																						
Straight Phosphate Ester	G	G	X	X	X	X	G	G	G	X	X	—	X	G	—	X	G	—	G	G	G	G
Phos. Ester/Petroleum Blend	G	G	X	X	X	X	G	G	G	X	X	X	—	X	G	—	X	G	—	G	G	G
Polyol Ester	G	G	—	G	G	X	G	G	—	X	—	X	—	G	G	—	—	G	—	G	G	G
Hydrobromic Acid (under 48%)	G	G	G	X	X	X	G	G	X	G	G	X	X	X	G	G	G	X	G	X	X	X
Hydrochloric Acid	G	G	G	X	X	X	G	G	X	G	G	X	X	X	G	G	G	X	G	X	X	X
Hydrocyanic Acid	G	G	G	F	F	X	G	G	X	F	G	X	X	—	X	G	G	X	F	X	F	G
Hydrofluoric Acid (under 50%)	G	G	F	X	X	X	G	G	X	F	G	X	X	X	G	F	X	G	X	X	X	G
Hydrofluoric Acid (over 50%)	G	G	X	X	X	X	G	G	X	X	G	X	X	X	G	X	X	G	X	X	X	G
Hydrofluosilicic Acid	G	G	G	F	F	X	G	G	X	G	G	X	—	—	G	—	G	X	—	X	X	X
Hydrogen	—	—	—	—	—	—	—	—	—	—	—	—	—	—	F	—	—	F	—	—	G	G
Hydrogen Peroxide	F	F	—	X	X	X	G	G	X	F	X	X	—	—	G	X	G	X	F	X	X	G
Hydrogen Sulfide	G	G	G	X	X	X	G	G	X	X	F	X	G	—	X	G	G	X	G	F	F	F
Hydrolube	G	G	G	G	G	F	G	G	—	G	—	F	X	—	—	G	G	—	G	G	G	G
Iodine	F	F	X	F	X	X	G	G	X	G	G	X	—	X	G	X	X	X	X	X	X	X
Isocyanates	G	X	X	X	X	X	G	—	X	X	X	X	X	X	—	X	X	—	—	—	—	—
Isopropyl Alcohol, Isopropanol	G	G	G	G	G	G	G	G	G	G	G	G	G	X	G	—	G	G	G	G	G	G
Isopropylamine	G	G	X	X	X	F	G	G	—	F	X	F	—	—	—	—	X	—	G	—	G	G
Iso-Octane	G	G	X	G	G	F	G	G	G	X	F	X	G	X	G	—	X	G	X	G	G	G
Jet Fuel (Transfer Only)	G	G	X	G	G	F	G	G	G	X	X	X	G	F	G	—	X	G	X	G	F	G

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Chemical resistance

Charts

Fluid	Hose and Tubing material																		Metals			
	UHMW	XLPE	PVC	Nitrile	Vinyl Nitrile	Neoprene	Teflon (PTFE)	Teflon (FEP)	Nylon 6/66	EPDM	Hypalon	Natural Rubber/SBR	Hytrel	Polyurethane	CPE	EVA	LLDPE	Nylon 11	PVC / PU Blends	Brass	Steel	316 Stainless
Kerosene	G	G	X	G	G	F	G	G	G	X	F	X	F	G	G	X	X	G	X	G	G	G
Lacquer	G	G	X	X	X	X	G	G	G	X	X	X	X	X	F	X	F	G	X	G	X	G
Lacquer Solvents	G	G	X	X	X	X	G	G	G	X	X	X	F	X	F	X	F	G	X	G	X	G
Lactic Acid	G	G	G	X	X	G	G	G	G	F	G	X	X	X	X	G	G	G	G	F	F	G
Lime Sulfur	G	G	G	X	X	G	G	G	F	G	F	F	—	—	—	G	G	G	G	X	—	G
Lindol	G	G	—	X	X	X	G	G	G	G	X	X	—	X	—	—	—	G	X	F	G	G
Linseed Oil	G	G	G	G	G	X	G	G	G	X	F	X	F	F	G	X	G	G	G	F	G	G
Lubricating Oils	G	G	G	G	G	F	G	G	G	X	F	X	G	F	G	X	G	G	G	G	G	G
Lye	G	G	G	F	F	G	G	G	F	G	G	G	—	X	F	—	G	G	—	F	X	G
Magnesium Chloride	G	G	G	G	G	G	G	G	G	G	G	G	—	G	G	G	G	G	G	F	F	G
Magnesium Hydroxide	G	G	G	F	F	G	G	G	G	G	F	G	—	X	G	G	G	G	G	G	G	G
Magnesium Sulfate	G	G	G	G	G	G	G	G	G	G	G	G	—	—	G	G	G	G	G	F	G	G
Mercuric Chloride	G	G	F	F	F	G	G	G	X	G	G	F	—	—	X	G	G	X	G	X	X	X
Mercury	G	G	F	G	G	G	G	G	G	G	G	F	G	G	G	G	G	G	G	X	G	G
Methyl Alc., Methanol	G	G	X	G	G	G	G	G	G	G	G	G	G	F	G	G	G	G	X	F	G	G
Methyl Acrylate	G	G	X	X	X	X	G	G	X	F	X	X	—	X	X	—	—	X	—	G	G	G
Methyl Bromide	X	X	X	X	X	X	G	G	F	X	X	X	X	X	X	X	X	G	X	G	G	G
Methyl Chloride	G*	G*	X	X	X	X	G	G	G	X	X	X	X	X	F	X	X	G	X	G	G	G
Methylene Chloride	G*	G*	X	X	X	X	G	G	F	X	X	X	X	X	X	X	X	F	X	G	G	G
Methyl-t-Butyl Ether (MTBE)	G	G	X	F	F	X	G	G	G	X	X	X	—	—	G	—	—	G	—	—	G	G
Methyl Ethyl Ketone	G	G	X	X	X	X	G	G	G	F	X	X	G	X	X	X	G	G	X	G	G	G
Methyl Iso-butyl Ketone	G	G	X	X	X	X	G	G	G	F	X	X	—	X	X	X	G	G	X	G	G	G
Methyl Iso-propyl Ketone	G	G	X	X	X	X	G	G	G	F	X	X	—	X	X	—	G	G	X	G	G	G
Methyl Methacrylate	G	G	X	X	X	X	G	G	—	X	X	X	—	X	X	—	—	G	—	—	G	G
Mineral Oil	G	G	F	G	G	F	G	G	G	X	F	X	G	G	G	X	X	G	G	G	G	G
Mineral Spirits	G	G	X	G	G	F	G	G	G	X	X	X	G	F	G	—	G	G	—	G	G	G
Naphtha	G	G	X	F	F	F	G	G	G	X	X	X	G	F	G	X	G	G	X	F	G	G
Napthalene	G	G	X	X	X	X	G	G	G	X	X	X	F	F	G	X	X	G	X	F	G	G

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Chemical resistance

Charts

Fluid	Hose and Tubing material																		Metals			
	UHMW	XLPE	PVC	Nitrile	Vinyl Nitrile	Neoprene	Teflon (PTFE)	Teflon (FEP)	Nylon 6/66	EPDM	Hypalon	Natural Rubber/SBR	Hytrel	Polyurethane	CPE	EVA	LLDPE	Nylon 11	PVC / PU Blends	Brass	Steel	316 Stainless
Nickel Acetate	G	G	G	X	X	G	G	G	G	G	G	—	X	—	G	G	G	G	G	G	G	G
Nickel Chloride	G	G	G	G	G	F	G	G	G	G	G	X	X	G	G	G	G	G	G	X	X	F
Nickel Sulfate	G	G	G	G	G	F	G	G	G	G	G	—	F	G	G	G	G	G	X	X	G	
Nitric Acid (under 35%)	G	F*	G	X	X	X	G	G	X	F	F	X	X	X	G	F*	X	G	X	X	G	
Nitric Acid (35% to 60%)	F	X	F	X	X	X	G	G	X	X	X	X	X	X	X	X	X	G	X	X	G	
Nitric Acid (over 60%)	X	X	X	X	X	X	G	G	X	X	X	X	X	X	X	X	X	G	X	X	G	
Nitrobenzene	G	G	X	X	X	X	G	G	—	X	X	X	X	X	X	X	X	X	F	G	G	
Nitrogen Gas ◇	G	G	G	G	G	G	G	G	G	G	G	—	G	G	—	G	G	—	G	G	G	
Nitrous Oxide	G	G	X	X	X	X	G	G	F	X	X	G	X	X	—	X	F	G	G	G	G	
Oleic Acid	G	G	F	F	F	X	G	G	G	F	F	X	G	F	G	X	G	G	F	F	G	
Oleum (Fuming Sulfuric Acid)	X	X	X	X	X	X	G	G	X	X	X	X	X	X	X	X	X	X	X	F	G	
Oxalic Acid	G	G	G	X	X	X	G	G	X	G	X	X	—	G	G	G	X	G	F	X	G	
Oxygen (non-breathing, non-welding) ◇	G	G	G	F	F	G	G	G	G	G	F	G	G	G	G	G	G	G	G	G	G	
Ozone (300 pphm)	F	F	X	X	X	X	G	G	X	G	G	X	X	G	G	X	X	X	—	F	G	
Paint (Solvent Base)	G	G	X	F	F	X	G	G	G	X	X	X	—	X	—	—	F	G	—	G	G	
Palmitic Acid	G	G	F	F	F	F	G	G	G	F	X	X	G	X	G	F	G	G	F	X	F	
Paper Mill Liquors	G	G	X	F	F	F	G	G	X	G	F	F	X	X	—	—	X	X	—	—	—	
Pentane	G	G	X	G	G	F	G	G	—	X	F	X	G	X	G	—	X	G	X	G	G	
Perchloroethylene	G*	G*	X	X	X	X	G	G	G	X	X	X	X	X	—	F	X	F	F	G	G	
Petroleum Ether	G	G	X	G	F	X	G	G	G	X	X	X	—	G	G	X	X	G	F	G	G	
Petroleum Oils	G	G	G	G	G	F	G	G	G	X	F	X	G	G	—	G	G	—	G	G	G	
Phenol	G	G	X	X	X	X	G	G	X	X	X	X	—	G	X	X	X	X	F	X	F	
Phosphoric Acid (to 85%)	G	G	G	X	X	F	G	G	X	G	G	F	X	X	X	G	G	X	G	X	F	
Picric Acid (Molten)	X	X	X	X	X	X	G	X	X	F	X	X	X	X	G	X	X	X	X	X	F	
Picric Acid (Solution)	G	G	X	F	F	X	G	G	X	F	G	X	X	F	X	G	X	X	X	X	F	
Potassium Chloride	G	G	G	G	G	G	G	G	G	G	G	—	G	G	G	G	G	G	F	X	G	

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Chemical resistance

Charts

Fluid	Hose and Tubing material																		Metals			
	UHMW	XLPE	PVC	Nitrile	Vinyl Nitrile	Neoprene	Teflon (PTFE)	Teflon (FEP)	Nylon 6/66	EPDM	Hypalon	Natural Rubber/SBR	Hytrel	Polyurethane	CPE	EVA	LLDPE	Nylon 11	PVC / PU Blends	Brass	Steel	316 Stainless
Potassium Cyanide	G	G	G	G	G	G	G	G	G	G	G	G	G	G	F	G	G	F	X	G	G	
Potassium Dichromate	G	G	G	X	X	X	G	G	—	G	X	X	—	G	G	G	G	F	G	X	G	G
Potassium Hydroxide	G	G	G	F	F	F	G	G	F	G	G	G	F	X	G	G	G	G	G	F	X	G
Potassium Permanganate	G	G	G	X	X	X	G	G	X	G	G	G	X	X	—	X	G	X	G	—	—	—
Potassium Sulfate	G	G	G	G	G	G	G	G	G	G	G	G	—	G	G	G	G	G	G	F	F	G
Propane Liquid***	—	—	—	G	—	—	G	—	—	—	—	—	—	—	X	—	—	—	G	G	G	
Propylene Glycol	G	G	F	G	F	G	G	G	—	G	G	G	G	—	G	G	G	G	—	F	G	G
Pyridine	G	G	X	X	X	X	G	G	X	F	X	X	X	X	—	G	X	—	F	G	G	
Sea Water	G	G	G	G	G	G	G	G	G	G	G	G	G	X	G	G	G	G	G	G	F	G
Silver Nitrate	G	G	G	G	G	G	G	G	G	G	G	G	—	G	—	G	G	G	G	X	X	F
Skydrol	G	G	X	X	X	X	G	G	G	G	X	X	—	X	G	—	X	G	—	G	G	G
Soap Solution	G	G	G	G	G	F	G	G	G	G	G	X	G	G	G	G	X	G	G	G	G	G
Sodium Bicarbonate	G	G	G	G	G	G	G	G	G	G	G	G	G	G	G	G	G	G	G	F	F	G
Sodium Bisulfate	G	G	G	G	G	G	G	G	G	G	G	G	X	G	G	G	G	G	G	F	F	F
Sodium Bisulfite	G	G	G	G	G	G	G	G	G	G	G	G	G	G	G	G	G	G	G	F	X	G
Sodium Borate	G	G	G	G	G	G	G	G	G	G	G	G	G	G	—	—	G	G	—	G	G	G
Sodium Carbonate	G	G	G	G	G	G	G	G	G	G	G	G	G	G	G	G	G	G	G	X	G	G
Sodium Chloride	G	G	G	G	G	G	G	G	G	G	G	G	G	G	G	G	G	G	G	X	F	G
Sodium Cyanide	G	G	G	G	G	G	G	G	G	G	G	G	G	G	G	G	G	G	G	X	F	G
Sodium Hydroxide	G	G	G	F	F	G	G	G	F	G	G	G	—	X	F	G	G	G	F	F	X	G
Sodium Hypochlorite	G	G	G	X	X	X	G	G	X	G	G	X	G	X	F	G	G	X	G	X	X	F
Sodium Nitrate	G	G	G	G	G	F	G	G	G	G	G	G	G	F	G	G	G	G	G	F	G	G
Sodium Perborate	G	G	G	G	G	X	G	G	F	G	X	G	X	X	—	G	G	—	F	F	G	
Sodium Peroxide	G	G	X	F	F	F	G	G	X	G	F	X	G	X	X	—	X	G	—	X	F	G
Sodium Phosphates	G	G	G	G	G	F	G	G	G	G	G	G	G	G	X	G	G	G	G	F	F	F
Sodium Silicate	G	G	G	G	G	G	G	G	G	G	G	G	G	G	G	G	G	G	G	F	F	G

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Sodium Sulfate	G	G	G	G	G	G	G	G	G	G	G	G	G	G	G	G	G	G	G	F	F	G
Sodium Sulfide	G	G	G	G	G	G	G	G	G	G	G	G	G	G	G	G	G	G	G	X	X	G
Sodium Thiosulfate	G	G	G	G	G	G	G	G	G	G	G	—	G	G	G	G	G	G	G	X	X	G
Soybean Oil	G	G	F	G	G	F	G	G	—	F	G	X	G	G	G	—	G	G	—	G	G	G
Stannic Chloride	G	G	G	G	G	X	G	G	X	G	G	G	G	G	G	G	G	F	G	X	X	X
Steam 450°F	X	X	X	X	X	X	G	G	X	G	X	X	X	X	X	—	X	X	—	F	F	G
Stearic Acid	G	G	F	F	F	F	G	G	G	F	F	X	G	G	G	G	G	G	F	X	X	G
Stoddard Solvent	G	G	X	G	G	F	G	G	G	X	X	X	G	G	G	X	X	G	G	G	G	G
Styrene	G*	G*	X	X	X	X	G	G	G	X	X	X	X	X	X	—	X	G	X	G	G	G
Sulfur 70°F	G	G	F	X	X	G	G	G	G	G	X	G	F	G	G	G	G	G	G	X	X	G
Sulfur 200°F	X	X	X	X	X	X	G	G	X	X	G	X	X	X	X	—	X	X	—	X	X	G
Sulfur Chloride	G	G	X	X	X	X	G	G	X	X	F	X	X	X	G	—	G	X	—	X	X	X
Sulfur Dioxide	X	X	X	X	X	X	G	G	X	G	X	X	X	X	X	X	X	X	F	X	—	G
Sulfuric Acid (under 50%)	G	G	G	X	X	X	G	G	X	G	G	X	X	X	X	G	G	X	G	X	X	X
Sulfuric Acid (51% to 70%)	G	G	G	X	X	X	G	G	X	F	G	X	X	X	X	X	X	X	F	X	X	X
Sulfuric Acid (71% to 95%)	G	F	X	X	X	X	G	G	X	F	F	X	X	X	X	X	X	X	G	X	X	X
Sulfuric Acid (96% to 98%)	G	X	X	X	X	X	G	G	X	X	X	X	X	X	X	X	X	X	X	X	X	X
Tannic Acid	G	G	G	F	F	F	G	G	X	G	G	G	G	G	G	G	G	X	G	F	X	G
Tar	X	X	X	F	F	F	G	G	G	X	X	X	G	F	F	—	X	X	—	F	F	G
Tartaric Acid	G	G	G	G	G	F	G	G	G	G	G	—	G	G	G	G	G	G	G	F	X	F
Tetrachloro-ethane	G*	G*	X	X	X	X	G	G	—	X	X	X	X	X	X	—	F	F	X	—	—	G
Tetrahydrofuran (THF)	G	G	X	X	X	X	G	G	—	X	X	X	—	X	—	X	X	G	X	—	—	G
Toluene	G*	G*	X	X	X	X	G	G	G	X	X	X	X	X	X	X	G*	G	X	G	G	G
Transmission Oil (Petrol. Base)	G	G	G	G	G	F	G	G	G	X	F	X	G	G	G	X	G	G	—	G	G	G
Trichloro-ethane	G*	G*	X	X	X	X	G	G	G	X	X	X	X	X	X	—	G*	F	—	G	G	G
Trichloro-ethylene	G*	G*	X	X	X	X	G	G	G	X	X	X	X	X	X	X	G*	F	—	G	G	G
Tung Oil	G	G	—	G	G	F	G	G	—	X	F	X	G	F	X	—	—	G	—	F	G	G
Turpentine	G	G	X	F	F	X	G	G	G	X	X	X	F	X	F	X	G	G	G	F	G	G
Urea (Water Solution)	G	G	G	X	X	G	G	G	G	G	G	G	G	G	G	G	G	G	G	—	G	G

G - Good F - Fair X - Not Recommended — - Insufficient Information *For Intermittent Transfer Only **Use Approved Freon Hose
 ***Use Propane Approved Hose Only ◇ Use Pinpricked Hose for Gas Applications

Chemical resistance

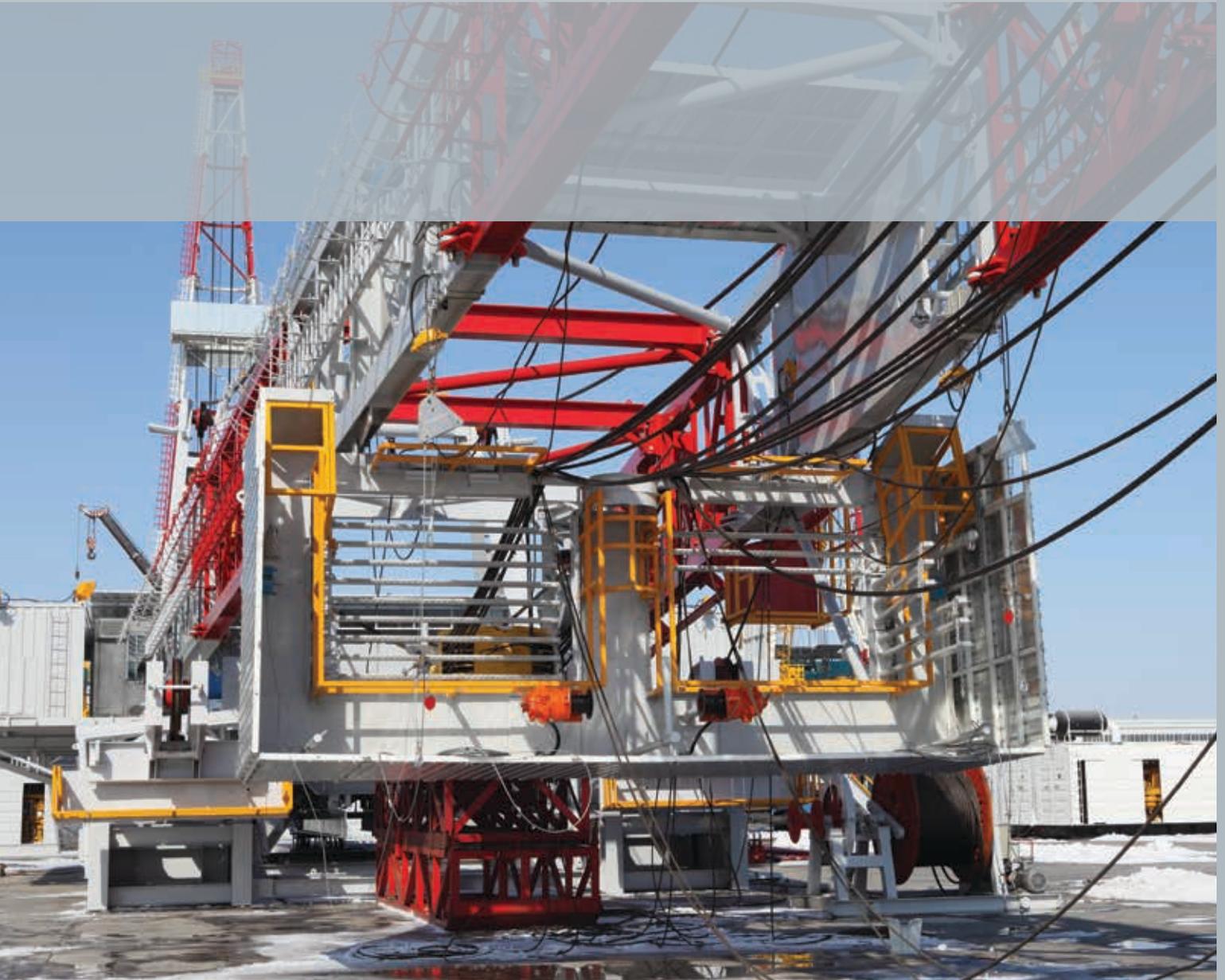
Charts

Fluid	Hose and Tubing material																		Metals			
	UHMW	XLPE	PVC	Nitrile	Vinyl Nitrile	Neoprene	Teflon (PTFE)	Teflon (FEP)	Nylon 6/66	EPDM	Hypalon	Natural Rubber/SBR	Hytrel	Polyurethane	CPE	EVA	LLDPE	Nylon 11	PVC / PU Blends	Brass	Steel	316 Stainless
Uric Acid	G	G	G	—	—	—	G	G	G	—	—	—	X	X	—	G	G	G	G	—	—	F
Varnish	G	G	X	X	X	X	G	G	G	X	X	X	—	X	F	X	G	G	X	G	G	G
Vegetable Oil (Non-food)	G	G	F	G	G	X	G	G	G	X	G	X	—	G	—	X	G	G	G	G	G	G
Vinegar	G	G	G	F	F	G	G	G	X	G	G	F	—	X	F	G	G	G	—	X	F	G
Vinyl Acetate	G	G	X	X	X	X	G	G	—	F	X	X	—	X	—	X	—	G	X	F	G	G
Water (non-potable)	G	G	G	G	G	G	G	G	G	G	G	G	G	G	G	G	G	G	G	F	F	G
Water—Glycol Mixture	G	G	X	G	G	G	G	G	G	X	F	X	X	G	G	—	G	G	G	G	G	G
Water—Petroleum Mixture	G	G	—	G	G	F	G	G	G	X	F	X	G	X	G	G	F	G	G	G	G	G
Xylene	G*	G*	X	X	X	X	G	G	G	X	X	X	F	X	X	X	G*	G	X	G	G	G
Zinc Chloride	G	G	G	G	G	G	G	G	X	G	G	G	X	G	X	G	G	X	G	X	X	X
Zinc Sulfate	G	G	G	G	G	G	G	G	G	G	G	G	—	G	X	G	G	G	G	X	X	G

G - Good F - Fair X - Not Recommended — - Insufficient Information *For Intermittent Transfer Only **Use Approved Freon Hose
 ***Use Propane Approved Hose Only ◇ Use Pinpricked Hose for Gas Applications

General hose information

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General hose information

Hose construction and Hose selection

Hose Construction

A hose consists of three components including the tube, reinforcement, and cover. Each component serves an important function in contributing to the overall performance of the hose.

Components of a hose:

Tube functions:

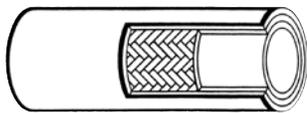
- Conveys media
- Temperature resistant
- Protects reinforcement and cover
- Dissipates static electricity

Reinforcement functions:

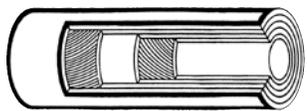
- Supports pressure/vacuum
- Supports tube
- Controls elongation/shrinking of hose OD/ID
- Helps fitting retention

Reinforcement types:

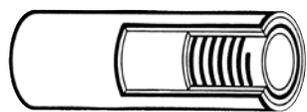
- 1) Braid - carbon steel or fiber
- 2) Spiral - carbon steel or fiber
- 3) Helical - carbon steel



Braid reinforcement



Spiral reinforcement



Helical reinforcement

Cover functions:

- Protects reinforcement from external environment
- Provides weather, abrasion, chemical, temperature, and ozone resistance

Hose Selection

Selecting the proper hose for an application is critical to ensure safety of people and property, as well as long hose life. Therefore, it is important to understand the factors involved.

Factors include:

- Application
- Pressure and/or suction
- Environment
- Compatibility with material conveyed
- Temperature
- Size
- Flexibility
- Bend radius
- Weight

Application

The first step in properly selecting a hose is to identify the application and material to be transferred. Then consider the hoses available for that type of service. Eaton Industrial hose is intended for specific applications and materials.



WARNING Hose use and care:

Never use a hose to transfer material it is not specifically meant to transfer. Doing so could deteriorate the hose and result in leaking, hose bursting, or end blow-offs. This could lead to serious personal injury or death. Always transfer material in a hose that is designed specifically to transfer that material.

A special application consideration, especially in gases, petroleum-based liquids, volatile solvents, and dry material transfer applications, is whether the velocity of the material being transferred will cause static buildup. This, in turn, can cause an explosion.

According to ARPM Hose Handbook 8th edition 2009:

Electrical engineers differ in opinion on the effects of static electricity and the means of dissipating it. In handling gasoline and other petroleum-based liquids, recognized national associations and companies have conflicting opinions on the need for conductive hoses.

Until a consensus is reached among all associations, laboratories and users and a standard practice is established, it is essential that the user determine the need for a static bonded hose based on (a) the intended use of the hose, (b) instructions from the company's Safety Division, (c) the insurer, and (d) the laws of the states in which the hose will be used.

Some types of hose include a body reinforcing wire.

This wire can be used for electrical continuity provided that proper contact is made between it and the hose coupling. This can be done by extending the body wire to the ends of the hose, or by attaching a light static wire to the outermost coils of the body wire. This lighter wire is led through the ends of the hose and attached to the couplings. In nonwire reinforced hose, a static wire can be included in the hose body.

The tendency has been toward a grounding connection completely separate from the hose or to have the tube or cover of the hose conducting. Examples would be sand blast hose with conducting tube or aircraft fueling hose with a conducting cover.

An internal static wire could break or lose contact with the couplings and not be detected visually. This could occur from an unusual stress imposed on the hose.

Finally, be aware that many industries have governing agencies that issue mandatory or suggested guidelines for the use of hose in certain applications.

General hose information

Hose construction and Hose selection

Pressure & Suction

The selected hose and coupling must be able to continually withstand the maximum pressure that will be generated in the application.

⚠ WARNING Hose use and care: Consider both working pressure and pressure surges when determining “maximum” pressure. Failure to select a hose that meets both these requirements could lead to end blow-offs, hose leakage, and hose bursting. The result could be serious injury or death. The Eaton Industrial hose you choose must meet or exceed the required working pressure, and must have a safety factor to allow for surge pressure.

It may be reassuring to know that every length of Eaton Industrial chemical transfer hose is pressure tested to 1-1/2 times the working pressure before it is packaged and shipped.

⚠ CAUTION In suction applications, suction (or vacuum) considerations are as critical to hose life as pressure considerations. Hoses in these applications are vulnerable to crushing forces because the atmospheric pressure outside the hose is greater than the pressure inside the hose. A hose not having the proper suction rating for your applications may collapse and result in equipment failure.

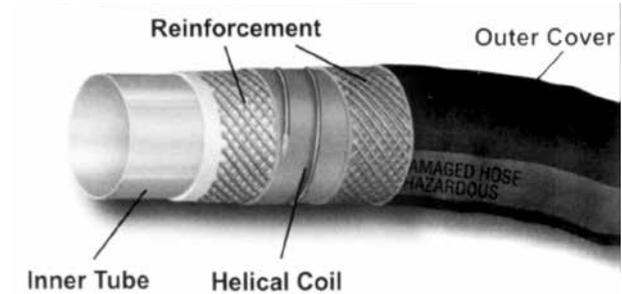
Eaton Industrial suction hoses have helical wire reinforcement and are rated for full vacuum. “Inches of mercury” is the standard of measurement for vacuum. Full vacuum is equal to 29.92 inches of mercury.

Environment & Compatibility

Environment refers to both the external environment and the internal environment in which the hose will be working. Different components of the hose will be affected by these two types of environment.

Most hoses consist of three components: an **inner tube**, a **reinforcement**, and an **outer cover**.

Elastomers are the basic ingredient of all rubber compounds. However, be aware that when specifying tube and cover compounds, significant application differences may exist between two compounds listed as having the same basic elastomer.



For example, Eaton Industrial’s TIGER and OTTER hoses list inner tubes made from EPDM, but *recommended* use for each of these hoses is quite different.

These differences occur because compounds contain many materials in addition to elastomers. Some of these materials include processing aids, carbon black, vulcanization agents, accelerators, age resistors, and other ingredients. Before making assumptions about the suitability of a particular hose for a given application, always read the “Applications” information for each specific hose listed in this catalog.

The first hose component, the **inner tube**, conveys the material being transferred. The tube must be compatible with these materials. This is the hose’s internal environment. Whenever you specify a Eaton Industrial hose, refer to the chemical resistance chart in this catalog.

⚠ DANGER Never transfer material in an inner tube that is not compatible with that material. Likewise, never use hose at temperatures, pressures, or chemical concentrations above those recommended by Eaton. Doing so will weaken or deteriorate the hose, leading to leakage, hose bursting, or end blow-offs. Personal injury or death can result.

The next hose component, the **reinforcement**, is the strength member of the hose. Reinforcement usually consists of fiber, thermoplastic, carbon steel, or stainless steel spirals, braids and coils. The helical coil is used in all hardwall hoses and is required in vacuum and suction applications. The coil is necessary to help the hose withstand atmospheric pressure that is greater than the internal pressure of the hose to prevent the hose from collapsing. It is usually made of steel or thermoplastic monofilament.

General hose information

Hose construction and Hose selection

The final hose component is the **outer cover**. The outer cover protects the reinforcement from the external environment. It is usually rubber, thermoplastic, fiber, or metal. The hose outer cover must protect against weathering, abrasion, chemicals, extreme temperature ranges, ozone, and other adverse conditions.

The “Elastomers” chart in this catalog (page N-14) contains a listing of general characteristics of some common elastomers and their physical properties as they relate to specific service needs. When application questions arise, contact Eaton Technical Support.

If any questions arise please contact your usual Eaton Technical Support or Customer Support teams.

Heat can be a catalyst for chemical reaction. When selecting a Eaton Industrial hose, consider both the ambient temperature and the temperature of the material being conveyed.

⚠ WARNING Do not use a hose at temperatures that exceed the hose temperature rating. Doing so could deteriorate the hose, leading to leaks, hose bursting, and end blow-offs. This could result in serious personal injury or death.

Cold temperatures are another consideration. Hose must be flexible and be able to withstand temperatures well below 0°F in some applications.

Be aware that rated hose temperatures do not imply that a hose can handle all materials within the listed temperature range and concentration.

For specific application information and hose temperature ratings, always follow the guidelines in this catalog, or contact Eaton Technical Support.

If any questions arise please contact your usual Eaton Technical Support or Customer Support teams.

All chemicals listed in the chart are rated at 70°F unless otherwise stated.

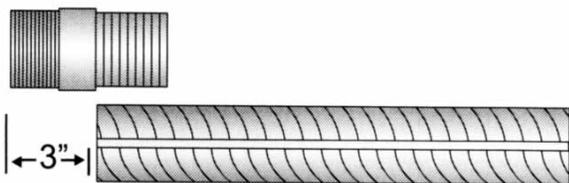
Size

Size can refer to the length of the hose, the **inner diameter** (I.D.), and the **outer diameter** (O.D.). To determine the correct length of hose for an application, always remember to subtract the cut-off factor for each end fitting or coupling from the overall length of the assembly. For example, if the total length of the assembly needs to be 20 feet, and each end extends past the hose three inches, the cut-off factor is three inches at each end, or six inches total. Twenty feet minus six inches yields a hose length of 19-1/2 feet.

Remember to subtract the cut-off factor for each end fitting when preparing hose.

Inner diameter is important in relation to volume transfer requirements. The larger the hose inner diameter, the greater the volume of material that can be transferred in a given time.

⚠ WARNING Be aware that if you replace a hose with one having a different I.D. than the original hose, material velocity could increase or decrease, possibly creating static electricity. This could lead to an explosion causing serious injury or death.



Cut-off Factor

General hose information

Hose maintenance

Hose Maintenance

Hose has a limited life based on the severity and type of chemical contact, environment or exposure to heat and petroleum products. Eaton recommends the following maintenance procedure to determine when hose should be replaced.

General Test and Inspection Procedures for Hose

An inspection and hydrostatic test should be done periodically to ensure hose is suitable for continued service.

A visual inspection of the hose should be made for loose covers, kinks, bulges, or soft spots which might indicate broken or displaced reinforcement. The couplings or fittings should be closely examined and, if there is any sign of movement of the hose from the couplings, the hose should be removed from service.

The periodic inspection should include a hydrostatic test for one minute at 150 percent of the recommended working pressure of the hose. During the hydrostatic test, the hose should be straight, not coiled or in a kinked position. Water is the usual test medium and, following the test, the hose may be flushed with alcohol to remove traces of moisture. A regular schedule for testing should be followed and inspection records maintained.

Hose Inspection

Hose assemblies shall be inspected and tested immediately after the hose is subjected to abnormal abuse such as: severe end pull, flattening or crushing or sharp kinking. As you inspect a hose assembly, remember that most hose failures occur between the coupling and the first three feet along the hose length. Pay close attention to this area. Any hose that has been recoupled shall be proof-tested for one minute at 150 percent of the recommended working pressure of the hose, and inspected before being placed in service.



SAFETY WARNING:
Before conducting any pressure tests on hose, provision must be made to ensure the safety of the personnel performing the tests and to prevent any possible damage to property. Only trained personnel using proper tools and procedures should conduct any pressure tests.

The following guidelines should be adhered to during testing and/or inspection:

1. Air or any other compressible gas must never be used as the test medium because of the explosive action of the hose should a failure occur. Such a failure might result in possible damage to property and serious bodily injury.

- 2. Air should be removed from the hose by bleeding it through an outlet valve while the hose is being filled with the test medium.**
- 3. Hose to be pressure tested must be restrained by placing steel rods or straps close to each end and at approximate 10 foot (3m) intervals along its length to keep the hose from "whipping" if failure occurs; the steel rods or straps are to be anchored firmly to the test structure but in such a manner that they do not contact the hose which must be free to move.**
- 4. The outlet end of hose is to be bulwarked so that a blown-out fitting will be stopped.**
- 5. Provisions must be made to protect testing personnel from the forces of the pressure medium if a failure occurs.**
- 6. Testing personnel must never stand in front of or in back of the ends of a hose being pressure tested.**
- 7. If liquids such as gasoline, oil, solvent, or other hazardous fluids are used as the test fluid, precautions must be taken to protect against fire or other damage should a hose fail and the test liquid be sprayed over the surrounding area.**

Visual Inspection

1. Hose

Any cuts, gouges or tears in the cover which do not expose the reinforcement should be repaired before the hose is returned to service. If the reinforcement is exposed, retire the hose from service.

Covers may show surface cracking or crazing due to prolonged exposure to sunlight, ozone, or high temperature during soak tank cleaning. Such deterioration, which does not expose reinforcing materials, is not cause for retirement.

Check for signs of soft spots, blisters, and kinking. If soft spots exist, pressure test the hose assembly and determine whether it is necessary to discard it.



WARNING If cover blisters exist, be careful not to pop them. If the hose was damaged in such a way that material was allowed to leak between the cover and inner tube, the blisters may contain this material. If the material is hazardous and splatters when the blisters are popped, it could cause serious physical injury.

General hose information

Hose maintenance

Visual Inspection continued

Look for any indication of kinking or broken reinforcement as evidenced by any permanent distortion, longitudinal ridges, or bulges.

According to RMA IP-11-7 Chemical Hose Bulletin, crushed or kinked spots where the hose O.D. is reduced by 20 percent or more of the normal O.D. indicate the hose probably has internal damage. The hose assembly must be removed from service to ensure the safety of people in the work area.

WARNING: Kinks can cause hose to burst, leading to bodily harm.

Hose containing kinked or crushed spots where the hose O.D. is reduced by 20 percent may be used if the hose passes the hydrostatic tests. Use a caliper to measure the hose outer diameter at several places around the diameter to determine any O.D. reduction. An inspection mirror and a flashlight can be used to inspect the inner tube for abuse, wear, and/or chemical attack.



2. Couplings

All metals are subject to attack by various chemicals. Check with the manufacturer to make sure that suitable end fittings, appropriate to both the hose and the chemical being handled, are being used.

Exposed surfaces of couplings, flanges and nipples shall be examined for cracks or excessive corrosion. Either condition shall cause the hose assembly to be retired from service. Any evidence of coupling or nipple slippage on the hose is cause for removing the hose assembly from service.

The Rubber Manufacturers Association (RMA) has published a series of technical bulletins which detail maintenance, testing, and inspection recommendations.

Because the life expectancy of the hose is limited, the user must be alert to signs of impending failure, particularly when the conditions of service include high working pressures and/or the conveyance or containment of hazardous materials. The periodic inspection and testing procedures described here provide a schedule of specific measures which constitute a minimum level of user action to detect signs indicating hose deterioration or loss of performance before conditions leading to malfunction or failure are reached.

SAFETY WARNING:
Failure to properly follow the manufacturer's recommended procedures for the care, maintenance and storage of a particular hose might result in its failure to perform in the manner intended and might result in possible damage to property and serious bodily injury.

Hydrostatic Pressure Test

For large-bore hose being used in dock service, an inspection card which describes the hose, manufacturer, date received, purchase order number, and date of installation should be maintained for each hose. The inspection card should be used to record the test results and condition of the hose.

Eaton recommends that new hose assemblies be hydrostatically tested before being placed in service. Hydrostatic testing should be done at periodic intervals to determine if a hose is suitable for continued service. The hydrostatic test and examination shall be conducted in the following manner.

Hose to be pressure tested must be restrained by placing steel rods or straps close to each end and at approximate 10 foot (3m) intervals along its length to keep the hose from "whipping" if failure occurs; the steel rods or straps are to be anchored firmly to the test structure but in such a manner that they do not contact the hose which must be free to move.

- Hose shall lie in a straight and horizontal position supported on rollers to permit easy movement when under the test pressure.
- Water should be used as the test liquid. Never pressure test with solvents, corrosive liquids, or with compressed gases.
- Fill the hose with water with the outlet end raised and the outlet valve open to ensure the complete removal of air. When all the air has been expelled, close the outlet valve and lower the raised end.
- For new hose, raise the pressure to 2 times the rated working pressure of the hose and hold for 5 minutes. During this hold period, the hose shall be examined for leaks at the couplings, fitting slippage, or for any indication of weakness in the hose structure.
- For used hose, test with a pressure of 1-1/2 times the rated working pressure of the hose for one minute and examine as above.
- Completely relieve test pressure from the system prior to releasing hose from test equipment.
- Thoroughly drain the water from the hose after completion of the hydrostatic test.

Electrical Continuity

When required by the user, electrical continuity between the fittings shall be tested using an ohm meter. The hose must be clean and dry for this test.

General hose information

Hose maintenance

General Care and Maintenance of Hose

Hose should not be subjected to any form of abuse in service. It should be handled with reasonable care. Hose should not be dragged over sharp or abrasive surfaces unless specifically designed for such service. Care should be taken to protect hose from severe end loads for which the hose or hose assembly was not designed. Hose should be used at or below its rated working pressure; any changes in pressure should be made gradually so as to not subject the hose to excessive surge pressures. Hose should not be kinked or be run over by equipment. In handling large size hose, dollies should be used whenever possible; slings or handling rigs, properly placed, should be used to support heavy hose used in oil suction and discharge service.

Hose Repair

There are some circumstances in which chemical hoses can be repaired. For example, if a hose has been kinked near the coupling and a close inspection of the assembly reveals that this is the only damage, the assembly can be repaired.



WARNING Wear safety glasses, gloves, and protective clothing when cutting hose. They will help protect your eyes and skin from flying debris. When recoupling a used hose assembly, begin by cutting

the hose far enough beyond the shank to eliminate the possibility of cutting into the shank. When cutting out a kink, cut behind the kink far enough so that the ID/OD of the remaining hose is round. Use calipers to confirm roundness. Make sure to cut the hose squarely. Next wipe the inner tube of the cut end with a clean rag.

Before recoupling the hose, make sure to carefully inspect the tube. This is important because it is easy to see the condition of the tube and reinforcement of the hose when the coupling is cut off. Look for any evidence of deterioration of the hose tube. If there are signs of deterioration, remove the hose assembly from service. If after close inspection none of these signs is present, the hose may be recoupled.

Any hose that has been used to convey an abrasive material, such as plastic pellets and powders, should not be recoupled due to the inherent thickness reduction that results from the transfer of abrasive materials.

Finally, pressure test and tag any recoupled assembly as recommended.

Storage

Proper storage conditions can enhance and extend substantially the ultimate life of hose products. Rubber hose products in storage can be affected adversely by temperature, humidity, ozone, sunlight, oils, solvents, corrosive liquids and fumes, insects, rodents and radioactive materials. The appropriate method

for storing hose depends to a great extent on its size (diameter and length), the quantity to be stored, and the way in which it is packaged. Hose should not be piled or stacked to such an extent that the weight of the stack creates distortions on the lengths stored at the bottom. Since hose products vary considerably in size, weight, and length, it is not practical to establish definite recommendations on this point. Hose having a very light wall will not support as much load as would a hose having a heavier wall or hose having a wire reinforcement. Hose which is shipped in coils or bales should be stored so that the coils are in a horizontal plane.

Storage Do's:

- Whenever feasible, rubber hose products should be stored in their original shipping containers which provide some protection against the deteriorating effects of oils, solvents, and corrosive liquids; shipping containers also afford some protection against ozone and sunlight.
- Certain rodents and insects will damage rubber hose products, and adequate protection from them should be provided. Be sure ends are capped to keep out insects, rodents, and other contaminants that can damage the hose.
- Hose shipped in coils or bales should be stored so the coils are in a horizontal plane.

- Store items on a first-in, first-out basis. Remember that even under the best of conditions, an unusually long shelf life will deteriorate certain rubber products. Inspect and test the hose assembly before placing it in service. Usually, any wear or damage will be apparent during inspection or testing.
- The ideal temperature for the storage of rubber products ranges from 50° to 70°F (10-21°C) with a maximum limit of 100°F (38°C). If stored below 32°F (0°C), some rubber products become stiff and will require warming before being placed in service.
- Storage areas should be relatively cool and dark, and free of dampness and mildew. Items should be stored on a first-in, first-out basis, since even under the best of conditions, an unusually long shelf life could deteriorate certain rubber products.

Storage Don'ts:

- Don't pile or stack hose to such an extent that the weight of the stack distorts the lengths stored on the bottom. Remember that hose having a very light wall will not support as much load as a hose having a heavier wall or wire reinforcement.

General hose information

Hose maintenance

- Don't store rubber products near heat sources such as radiators and base heaters, or near electrical equipment that might generate ozone. Also do not store hose for long periods in geographical areas of known high ozone concentration. Ozone ages rubber.
- Don't expose hose to direct or reflected sunlight during storage. This ages rubber.
- Don't store uncovered hose under fluorescent or mercury lamps. They generate light waves harmful to rubber.
- Don't hang hose assemblies on hooks, nails, or other devices which could cut or damage hose.

The Rubber Manufacturers Association has published separately a series of Hose Technical Information bulletins describing hoses designed for different applications which detail Maintenance, Testing and Inspection recommendations. Refer to the *ARPM Catalog of Publications*, issued annually, to determine the availability of the latest edition. Bulletins published include the following:

Publication No.

- IP 11—1— Steam Hose
- IP 11—2— Anhydrous Ammonia Hose
- IP 11—4— Oil Suction and Discharge Hose
- IP 11—5— Welding Hose
- IP 11—6— Fire Hose
- IP 11—7— Chemical Hose
- IP 11—8— Fuel Dispensing Hose

ARPM

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Proper Used Hose Storage

Before placing used hose in storage, completely drain it and flush out any potentially explosive vapors or corrosive residues.

Also make sure you dispose of waste in a manner that complies with federal, state, and local environmental regulations.



WARNING: Take extreme care when flushing out a chemical hose with water. Some chemicals, such as concentrated acids, may react with water and cause spattering. These materials can cause serious personal injury or death if they get into eyes or onto skin. Wear safety glasses, gloves and other protective clothing to help guard against this.

Continue by laying the hose assembly on a solid support, allowing air to circulate through it. This helps extend the hose life. Further, store the hose in a cool, dark, dry place at a temperature ideally between 50°F and 70°F.

Proper Hose Handling

Proper hose handling can help preserve hose assembly life and work environment safety. Therefore, consider the following points when handling hose assemblies.

- Avoid crushing or kinking the hose. This can cause severe damage to the reinforcement that isn't always obvious when looking at the cover.
- Do not drag the hose or lift a large bore hose from the middle of its length with the ends hanging down. Doing so can cause kinking, cover cuts, hose reinforcement damage, and coupling damage.
- Limit the curvature of the hose to the minimum bend radius recommended by the manufacturer. Also avoid sharp bends at the end fittings and at manifold connections.
- Do not exceed pressure and temperature limits because this could damage the hose and ultimately result in serious bodily injury or property damage. Monitor pressure and temperature during hose use.
- Never allow chemicals, solvents, or any other hazardous materials to drip onto ground. Always comply with environmental laws.
- Never allow chemicals to drip on the exterior of a hose or allow hose to lay in a pool of chemicals. The hose cover may not have the chemical resistance of the tube. If a corrosive material comes into contact with the hose reinforcement, the result could be early hose failure.
- Avoid extreme flexing of the hose near the coupling. If necessary, use elbows in the piping system to assure a straight line connection with the hose.
- Protect hose from heat, flame, cutting, and twisting. Use shields or clamps to do this.
- Support hose to avoid mechanical strain on couplings.
- Be aware that dropping or dragging the assembly, chemical incompatibility, exposure to temperature extremes, or extensive internal coupling abrasion can cause leaks and reduce coupling retention.



WARNING: Do not use damaged hose. Doing so could result in serious personal injury or death.

General hose information

Hose maintenance

Cleaning Hose Assemblies

Cleaning of hose assemblies should be done at a facility with the means of disposing of wastes and hazardous materials properly. All water and/or cleaning solutions used should be retained and disposed of in a way that complies with applicable laws.

Eaton Industrial does not recommend that distributors handle hose assemblies that have not been cleaned properly.

When you clean a tank or change the materials to be transferred, clean the hose assemblies. Three methods can be used: the soak tank, the closed loop system, or the rotating brush. The most appropriate method will depend on the hose use and location.

 **WARNING: Use of pressure wands to clean hose is not recommended. The high concentration of heat and pressure in a confined area can damage the hose inner tube and lead to hose bursting, leakage, spraying, or end blow-offs. This could cause serious personal injury or death.**

 **WARNING: Always wear safety glasses, gloves, and protective clothing when cleaning hose, no matter which hose cleaning method you use. Otherwise, burns, blisters, eye damage or other injuries could occur.**

If you choose the soak tank method, the cleaning solution usually caustic soda and water- should be no more than 150°F. Gently lay the hose in the cleaning solution to prevent it from splashing.

Soak the hose no more than 15 minutes to prevent the hose from becoming brittle with a shortened service life. Flush the hose thoroughly with clean water. After making sure that all the water is drained from the hose, store the hose in a cool, dry place. Once the hose has cooled (approximately 45 minutes), cap the ends to keep contaminants out.

The second method of cleaning is the closed-loop system. With this method, the caustic solution used to clean the tank is also pumped through the hose and back to the tank. Typically, fluid is 180°F and is pumped through the system until the tank is clean.

When the cleaning process is complete, flush the hose thoroughly with water. Store the hose in a cool, dry place. Cap the ends to keep contamination out.

 **WARNING: Strong acids should be thoroughly drained prior to and after cleaning to avoid an exothermic reaction.**

Class Oil Resistance

Rubber hose is used to convey petroleum products both in the crude and refined stages. The aromatic content of refined gasoline is often adjusted to control the octane rating. The presence of aromatic hydrocarbons in this fuel generally has a greater effect on rubber components than do aliphatic hydrocarbons. Aromatic materials in contact with rubber tend to soften it and reduce its physical properties. For long lasting service, the buyer of gasoline hose should inform the hose manufacturer of the aromatic content of the fuel to be handled so that the proper tube compound can be recommended for the specific application.

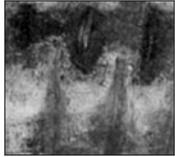
The effects of oil on rubber depend on a number of factors that include the type of rubber compound, the composition of the oil, the temperature and time of exposure. Rubber compounds can be classified as to their degree of oil resistance based on their physical properties after exposure to a standard test fluid. As a guide to the user of the hose in contact with oil, the oil resistance classes and a corresponding description are listed.

Physical Properties After Exposure to Oil

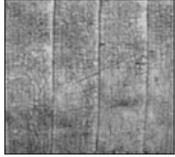
	Volume Change Maximum	Tensile Strength Retained
Class A (High oil resistance)	+25%	80%
Class B (Medium-High oil resistance)	+65%	50%
Class C (Medium oil resistance)	+100%	40%

General hose information

Troubleshooting



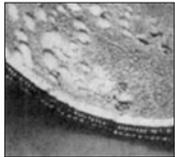
1.



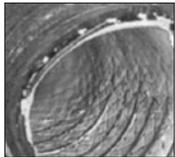
2.



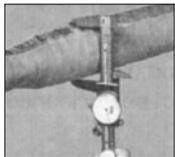
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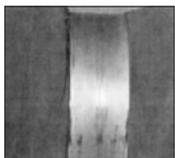
5.



6.



7.



8.



9.

⚠ WARNING: Selection of the proper hose for the application is essential to the proper operation and safe use of the hose and related equipment. Inadequate attention to selection of hose for the application can result in serious bodily injury or property damage. In order to avoid serious bodily injury or property damage resulting from selection of the wrong hose, you should carefully review the information in this catalog.

Hose failures can be caused by conditions such as excessive pressures, fluid incompatibility, extreme temperatures and many more. Eaton has illustrated below some of the more common failures. If the conditions you are experiencing are not listed, please contact Eaton Technical Support.

If any questions arise please contact your usual Eaton Technical Support or Customer Support teams.

1. Problem: The hose has exposed reinforcement and a loose cover. This could be caused by an abrasive environment or the life of the hose has been exceeded.

Solution: Route hose properly to avoid excessive abrasion. Some hoses are made with materials that handle abrasion better.

2. Problem: Cracks in the hose cover can be caused by prolonged exposure to sunlight, ozone or high temperatures.

Solution: Store hose in cool dark areas when possible. Do not store or use the hose where the recommended temperature rating is exceeded.

3. Problem: Cuts, gouges, or tears in hose tube can be caused by improper cleaning with high-pressure water wand.

Solution: Do not use high pressure water wand to clean hoses. Instead, three cleaning methods are commonly used: the soak tank, the closed loop system or the rotating brush. The most appropriate method will depend on the hose use and location.

4. Problem: Bubbling and flaking of the tube material caused by the tube not being compatible with the chemical being conveyed.

Solution: Check the chemical resistance guidelines to make sure the hose you are using is compatible with the chemical(s) being transferred. Also, make sure the hose can handle the application temperatures.

5. Problem: Deterioration of the hose tube has caused the reinforcement to be exposed. This may be caused by abrasive material being conveyed through a hose not made for this abrasive material or hose life has been exceeded.

Solution: Make sure that the hose can handle the material being conveyed. Possibly use a hose with a thicker tube.

6. Problem: Hose is kinked due to exceeding the minimum bend radius of the hose. The result is damaged reinforcement.

Solution: To avoid this problem, check the minimum bend radius of the hose and route the hose so the minimum bend radius is not exceeded.

7. Problem: Improperly banded shank may create a possible leak path.

Solution: Make sure the coupling is secured tightly and according to manufacturer's specifications. Bands should be placed inside of the barbs on the coupling shank, toward the coupling side. The band farthest from the hose end should be tightened first. If two bands are present, Eaton suggests rotating the clamp buckles 180° from each other.

8. Problem: Overtightened band could cause leaks, spraying and end blow-offs. Band was applied with excessive pressure and cut the cover of the hose causing reinforcement to be exposed.

Solution: Do not attach bands at pressures that are too high. Apply the bands to the manufacturer's recommended settings.

9. Problem: The steam hose has developed cracks in the cover due to heat in the application.

Solution: Steam hose has a limited service life. It should be inspected before every use. Any crack that exposes the reinforcement is a reason for the hose to be removed from service.

General hose information

Flow rate, Pressure drop and Flow capacity

There are several factors which affect selection of a hose sized such that it will provide the desired rate of flow at the required pressure; these are:

- Hose size
- Hose length
- Hose fittings
- Material conveyed
- Bends
- Static head pressure

Hose size

Undersized pressure lines produce excessive pressure drop with attendant energy loss and heating, and undersized suction lines cause cavitation at the pump inlet. Oversized hose assemblies, on the other hand, are excessively costly and generally too heavy.

In selecting hose for hydraulic systems, the following empirical values can be used to achieve minimum pressure drop consistent with reasonable hose size (see **Chart 2**):

*Velocity of pressure lines 7 to 15 ft./sec. Velocity of short pressure lines to 20 ft./sec. Velocity of suction lines 2 to 5 ft./sec. To use **Chart 2**, lay a straight-edge across the chart as shown by the dotted line. To minimize pressure drop, always use the next larger size hose shown if the line passes between sizes listed.*

Hose length

Chart 1 gives the pressure drop in different-sized hoses based on hoses of 100-foot length, and is based on water as the material conveyed. For hoses of a different length, these values must be corrected. For example, a 100-foot length of 1/2" hose causes a pressure drop of 100 lbs./in.² at a flow rate of 10 gal./min. If the hose in question is 50 feet long, the pressure drop derived from **Chart 1** must be corrected by multiplying the value by the ratio of the actual length to 100 feet, or 50/100, or 0.5. Therefore, the actual pressure drop caused by a 50-foot length of 1/2" hose, at a flow rate of 10 gal./min. is 50 lbs./in.² (0.5 x 100 = 50 lb./in.²).

Hose fittings and Material conveyed

In most cases, the end fitting openings are slightly smaller than the hose itself. However, this varies widely with hose fitting designs from 'full-flow' ends which have the same I.D. as the hose, down to as much as 1/8" smaller I.D. than the hose bore. To allow for this, assume a 10-to-15% greater flow rate than actually measured in the system when determining pressure drop.

Chart 1 is based on water as the material conveyed, and for other fluids it is necessary to correct for the difference in specific gravity and viscosity.

CHART 1. Hose flow rate vs. Pressure drop

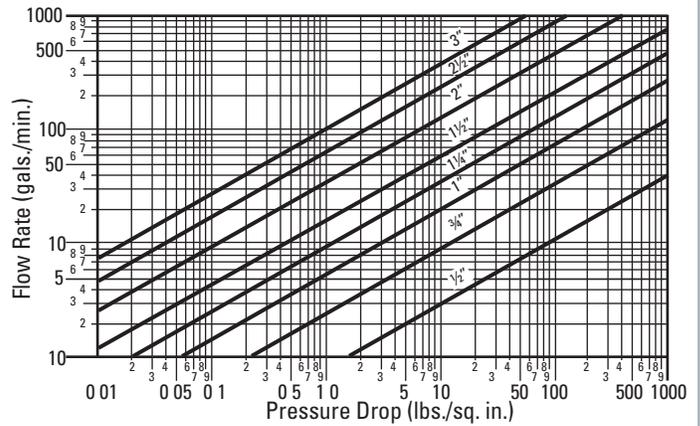
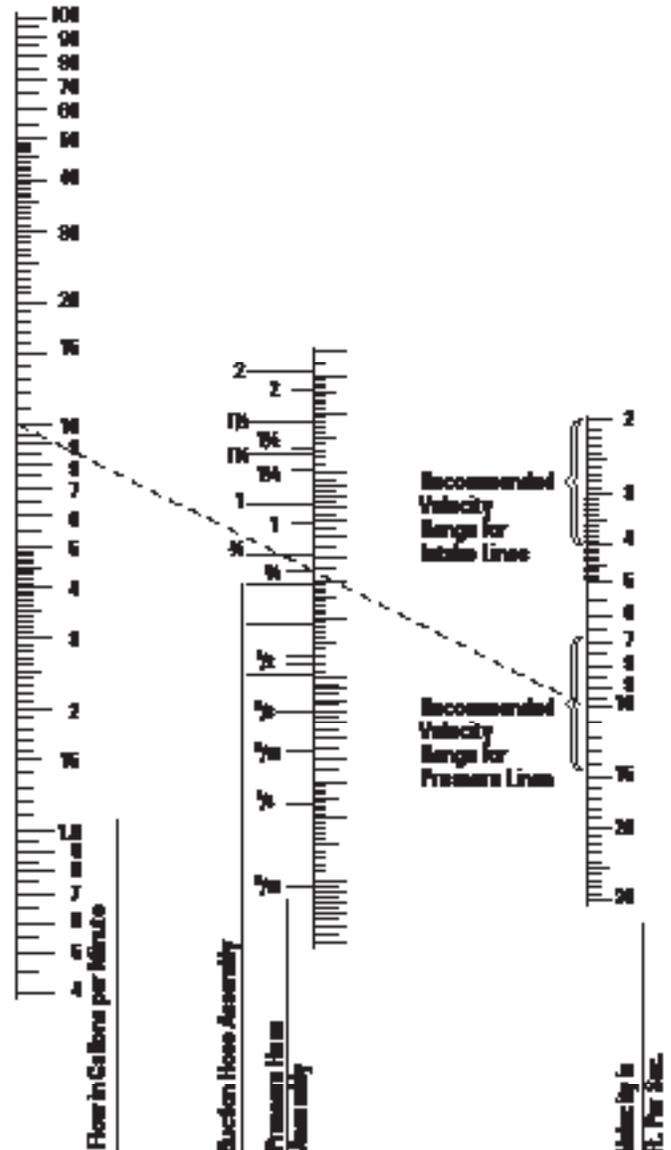


CHART 2. Hose flow capacity



General hose information

Steam temperatures

Temperatures of Saturated Steam at Various Pressures

Lbs. Per Sq. Inch Pressure	Degrees Fahrenheit	Degrees Centigrade	Lbs. per Sq. Inch Pressure	Degrees Fahrenheit	Degrees Centigrade
0	212.0	100.0	110	344.1	173.4
5	227.1	108.4	115	347.2	175.1
10	239.4	115.2	120	350.1	176.7
15	249.8	121.0	125	352.9	178.3
20	258.8	126.0	130	355.6	179.8
22	261.2	127.8	135	358.3	181.3
24	265.3	129.6	140	360.9	182.7
26	268.3	131.3	145	363.4	184.1
28	271.2	132.9	150	365.9	185.5
30	274.1	134.5	155	368.2	186.8
32	276.8	136.0	160	370.6	188.1
34	279.3	137.4	165	373.9	189.4
36	281.8	138.8	170	375.3	190.7
38	284.4	140.2	175	377.4	191.9
40	286.7	141.5	180	379.6	193.1
42	289.0	142.8	185	381.7	194.3
44	291.2	144.0	190	383.7	195.4
46	293.5	145.3	195	385.9	196.6
48	295.5	146.4	200	387.9	197.7
50	297.7	147.6	205	398.8	198.8
52	299.9	148.7	210	391.6	199.8
54	301.6	149.8	215	392.9	200.5
56	303.6	150.9	220	395.4	201.7
58	305.4	151.9	225	397.2	202.9
60	307.4	153.0	230	399.0	203.9
62	309.2	154.0	235	400.7	204.8
64	310.8	154.9	240	402.5	205.8
66	312.6	155.9	245	404.2	206.8
68	314.2	156.8	250	406.1	207.8
70	316.0	157.0	255	407.7	208.7
72	317.7	158.7	260	409.4	209.7
74	319.3	159.6	265	411.0	210.6
76	320.9	160.5	270	412.6	211.4
78	322.3	161.3	275	414.2	212.3
80	323.8	162.1	280	415.7	213.2
85	327.6	164.2	300	421.0	216.1
90	331.2	166.2	350	436.5	224.7
95	334.6	168.1			
100	337.8	169.9			
105	341.1	171.7			

WARNING Steam heat is hotter than 212°F (boiling water) and increases in temperature as pressure increases.

General hose information

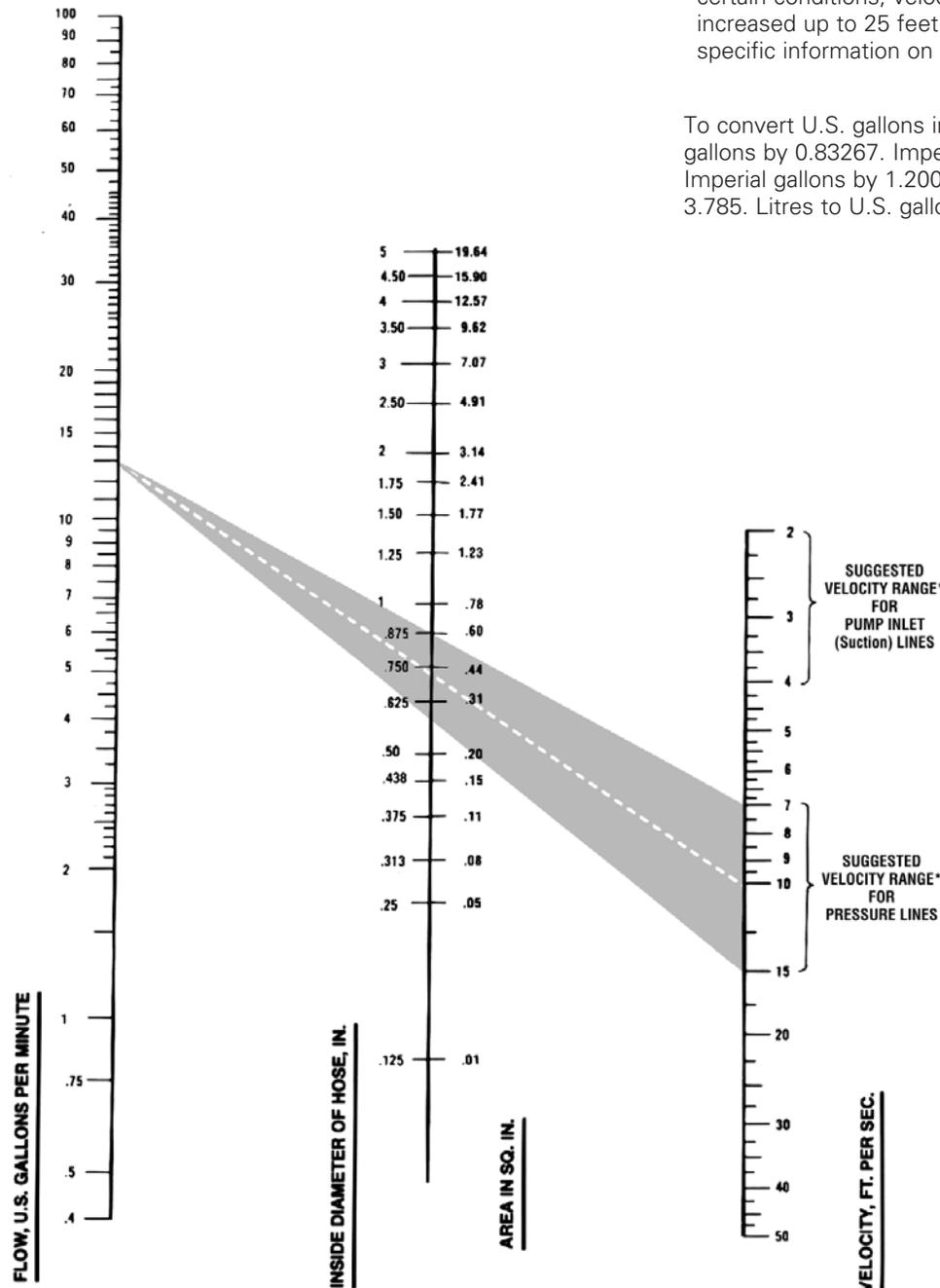
Flow capacities

Flow Capacities of Hose Assemblies at Suggested Flow Velocities

The chart below is designed and provided as an aid in the determination of the correct hose size.

Example: At 13 U.S. gallons per minute, what is proper hose size within the suggested velocity range for pressure lines?

Solution: Locate 13 U.S. gallons per minute in the left hand column and 10 feet per second in the right hand column (the center of the suggested velocity range for pressure lines). Lay a straightedge across the two points. The inside diameter is shown in the center column nearest the straight edge.



For suction hose, follow the same procedure except use suggested velocity range for pump inlet lines in the right hand column.

Based on Formula

$$\text{AREA (SQ. IN.)} = \frac{\text{G.P.M.} \times 0.3208}{\text{VELOCITY (FT./SEC.)}}$$

*Suggestions are for oils having a maximum viscosity of 315 S.S.U. at +100°F (+38°C) and operating at temperatures between +65°F and +155°F (+54°C to +69°C). Under certain conditions, velocities in pressure lines can be increased up to 25 feet per second. Contact Aeroquip with specific information on your application.

To convert U.S. gallons into Imperial gallons multiply U.S. gallons by 0.83267. Imperial gallons into U.S. gallons multiply Imperial gallons by 1.20095. U.S. gallons to litres multiply by 3.785. Litres to U.S. gallons, multiply by 0.2642.

General hose information

Elastomer chart

The chart below shows the general characteristics of some of the common rubber compounds. Elastomers are mixed with various chemicals to provide a wide range of physical properties for specific service needs.

ASTM Designation	Common Name	Composition	General Properties
CR	Neoprene	Chloroprene	<ul style="list-style-type: none"> • Good abrasion • Good weathering resistance • Good oil resistance • Flame retarding
NBR	Nitrile (Buna-N)	Acrylonitrile-butadiene	<ul style="list-style-type: none"> • Excellent oil resistance • Moderate resistance to aromatics
IIR	Butyl	Isobutylene-isoprene	<ul style="list-style-type: none"> • Excellent ozone resistance • Good resistance to fire resistant fluids • Good heat resistance • Low permeability • Poor resistance to petroleum fluids
CIIR	Chlorinated Butyl	Chloro-isobutylene isoprene	<ul style="list-style-type: none"> • Same as Butyl
SBR	SBR	Styrene-butadiene	<ul style="list-style-type: none"> • Good abrasion resistance • Poor resistance to petroleum fluids
EPM	Ethylene Propylene	Rubber Composition	<ul style="list-style-type: none"> • Excellent ozone resistance • Excellent chemical resistance • Good heat resistance • Poor resistance to petroleum based fluids
EPDM	EPDM	Ethylene-propylene diene terpolymer	<ul style="list-style-type: none"> • Excellent ozone resistance • Good chemical resistance • Good temperature resistance • Poor resistance to petroleum fluids
XLPE	Cross-Linked Polyethylene	Polyethylene & cross linking agents	<ul style="list-style-type: none"> • Excellent chemical resistance
EVA	EVA	Ethylvinylacetate	<ul style="list-style-type: none"> • Excellent flexibility • Chemical resistance
LLDPE	Linear, low density Polyethylene	Linear, low density Polyethylene	<ul style="list-style-type: none"> • Excellent ESCR resistant • FDA Approved NSF 51 material available
Nylon 11	Nylon 11	Nylon 11	<ul style="list-style-type: none"> • Good chemical resistance
PVC/PU Blend	PVC/PU Blend	Polyvinyl flouride/polyurethane Blend	<ul style="list-style-type: none"> • Excellent chemical resistance
PVDF	KYNAR®	Polyvinylidene flouride	<ul style="list-style-type: none"> • Excellent chemical resistance
PA	Nylon	Polyamide	<ul style="list-style-type: none"> • Good abrasion resistance • Good chemical resistance • Low coefficient of friction
CSM	Hypalon	Chloro-sulfonated Polyethylene	<ul style="list-style-type: none"> • Excellent ozone resistance • Good abrasion resistance • Good heat resistance • Fair petroleum qualities
NR	Natural Rubber	Polyisoprene	<ul style="list-style-type: none"> • Excellent abrasion resistance • Acid resistance • Not oil resistant
V-NBR	Vinyl Nitrile	PVC/NBR	<ul style="list-style-type: none"> • Good ozone resistance • Good resistance to animal fats & oils • Good petroleum resistance
UHMWPE	Ultra-high molecular weight polyethylene	Polyethylene	<ul style="list-style-type: none"> • Excellent chemical resistance • Moderate heat resistance • Excellent abrasion resistance • FDA-accepted material
CM	CPE	Chlorinated Polyethylene	<ul style="list-style-type: none"> • Excellent ozone resistance • Excellent weathering resistance • Good abrasion resistance • Good heat resistance • Good resistance to petroleum oils
XNBR	Carboxylated Nitrile	Carboxylated Acrylonitrile-butadiene	<ul style="list-style-type: none"> • Excellent abrasion resistance • Excellent oil resistance • Excellent weather resistance
PTFE	Teflon	Polytetrafluoroethylene	<ul style="list-style-type: none"> • Excellent temperature resistance • Excellent chemical resistance • FDA accepted material • Low coefficient of friction for high flow rates and easy cleaning • Excellent resistance to thermocycling
PVC	PVC	Polyvinylchloride	<ul style="list-style-type: none"> • Resistant to many chemicals • Good flexibility
FEP	Teflon	Fluorinated Ethylene Propylene	<ul style="list-style-type: none"> • Excellent temperature resistance • Excellent chemical resistance • FDA accepted material • Low coefficient of friction for high flow rates and easy cleaning • Excellent resistance to thermocycling

General hose information

Flow capacities pressure drop

Pressure drop in psi (pounds per square inch)/gpm (gallons per minute) for 10 feet of hose (smooth bore) without fittings.

Fluid specification:

Specific gravity = .85; Viscosity = ν = 20 centistokes (C.S.), (20 C.S. = 97 S.S.U.).

Hose Pressure Drop

Hose Dash Size →	-04		-05		-06		-08		-10		-12		-16		-20		-24		-32		-40		-48	
Hose I.D. (inches) ←	.19	.25	.25	.31	.31	.38	.41	.50	.50	.63	.63	.75	.88	1.00	1.13	1.25	1.38	1.50	1.81	2.00	2.38	3.00		
.25	10	3.1	3.1																					
.50	19	6	6	2.7	2.7																			
1	40	12	12	5.5	5.5	2.4																		
2	95	24	24	10	10	4.8	3.5																	
3	185	46	46	17	17	7	5	2.2	2.2															
4		78	78	29	29	12	8	3	3	1.2	1.2													
5		120	120	44	44	18	12	4.5	4.5	1.6	1.6	.72												
8				95	95	39	26	10	10	3.6	3.6	1.4	.60											
10						59	40	15	15	5.7	5.7	2	1	.55										
12						80	52	20	20	7.2	7.2	2.6	1.5	.75	.43									
15							75	30	30	10	10	4.2	2.2	1.2	.67	.38								
18							107	40	40	15	15	6.3	3	1.5	.70	.55	.35							
20								49	49	19	19	8	3.4	2	1.1	.65	.43	.27						
25								72	72	26	26	11	5.5	3	1.6	1	.64	.40	.17					
30										34	34	14	7	3.6	2.2	1.3	.80	.52	.22	.14				
35										47	47	19	9.5	5	2.8	1.7	1.1	.70	.27	.18				
40												25	12	6.5	3.4	2.2	1.4	.90	.38	.24				
50												36	17	9	5.3	3.3	2	1.3	.54	.35	.15			
60												50	23	12	7.5	4.4	2.8	1.8	.75	.45	.20			
70													31	17	9.3	6	3.8	2.4	1	.65	.30			
80													38	21	12	7.1	4.6	3	1.2	.76	.34	.11		
90													49	27	15	9	5.9	3.8	1.5	1	.45	.13		
100														33	19	12	7	4.7	1.9	1.3	.55	.18		
150														60	36	22	13	8.5	3.4	2.2	1	.33		
200																36	23	15	6	3.9	1.7	.55		
250																	54	33	22	8.5	5.3	2.5	.75	
300																		45	29	12	7.5	4	1.1	
400																			51	21	14	6.5	2.2	
500																				32	20	10	3	
800																						18	5	
1000																								10

*Pressure drop values listed are typical of many petroleum based hydraulic oils at approximately +100°F (+38°C). Differences in fluids, fluid temperature and viscosity can increase or decrease actual pressure drop compared to the values listed.

To Convert

U.S. gallons into Imperial gallons multiply U.S. gallons by 0.83267. Imperial gallons into U.S. gallons multiply Imperial gallons by 1.20095. U.S. gallons to litres multiply by 3.785. Litres to U.S. gallons, multiply by 0.2642.

Hose index

EMEA

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G-14	EHC501	H-4	EHP001	L-9	EHW029	J-4	H5751
E-7	EHF001	H-10	EHP003	L-8	EHW035	J-4	H5752
E-5	EHF002	H-7	EHP004	L-5	EHW150	B-10	H6002
E-14	EHF003	H-8	EHP007	B-22	EHW520	B-6	H6008
E-12	EHF013	H-9	EHP009	K-7	H0084	B-5	H6009
E-6	EHF018	I-18	EHP150	B-20	H0105	F-4	H900
E-8	EHF020	I-22	EHP501	B-21	H0106	K-11	H9568
E-13	EHF022	I-14	EHP502	L-11	H0307	J-12	H9603
F-8	EHG001	I-20	EHP505	G-11	H0319	B-8	H9622
F-5	EHG003	I-7	EHP508	I-13	H0327	J-14	H969
F-6	EHG004	I-8	EHP509	D-13	H0345	K-13	H969
F-7	EHG006	I-12	EHP516	G-10	H0347	D-16	H9699
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Eaton Terms and Conditions

Standard terms and Conditions of sale

Your online resource for Eaton service information.

For your online resource: use the links below to review the details of the Eaton Limited Warranty, and learn about the Standard Terms and Conditions that apply to your Eaton products.



Product Warranty

The Eaton Hydraulics warranty policy is located at www.eaton.com/hydraulicswarranty



Terms and Condition of Sale

The Eaton Hydraulics Terms and conditions of sale policy is located at www.eaton.com/us/en-us/support/terms-conditions/hydraulics-terms-and-conditions.html



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