Read this page before using any of the 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 Boston 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 hoses in this catalog, consult the safety section in this catalog, and Chemical Compatibility Chart on page 21 or Boston Hose Chemical Resistance Guidelines. If you do not have the most recent copy, contact Eaton Customer Support at 1-888-258-0222.

Selection of Hose

Selection of the proper Boston 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:

- hose size
- hose length
- hose ends
- fluid conveyed
- bends
- temperature
- hose pressure
- static head pressure
- installation design

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 at 1-888-258-0222.
Important Safety Information

Proper Selection of Hose Ends
Selection of the proper Boston 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, please contact Eaton Technical Support at 1-888-258-0222.

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, please contact Eaton Technical Support at 1-888-258-0222.

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.

Coll-O-Crimp Hose, Hose Ends and Assembly Equipment Compatibility

The Coll-O-Crimp Equipment Package, Coll-O-Crimp Hose Ends and Coll-O-Crimp Hose have been engineered and designed as a complete hose assembly system. Each component of the Coll-O-Crimp hose assembly system is compatible with other Coll-O-Crimp components to which it relates. Component compatibility, along with the use of quality components, insures the production of reliable hose assemblies when assembled properly. The use or intermixing of fittings and hose not specifically engineered and designed for use with each other and Coll-O-Crimp equipment is not recommended and may result in the production of unsafe or unreliable hose assemblies. This can result in hose assembly leakage, hose separation or other failures which can cause serious bodily injury or property damage from spraying fluids, flying projectiles, or other substances.
Hose
Chemical Service
Intro

Important Chemical Service Hose Safety Information!

⚠️ 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.

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, Boston 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 Boston 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.

Environmental Resistance

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

Built to Make Work Faster, Easier and Safer

• Moving and connecting hose several times a day isn’t easy work. Each of the “Big Cats” 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 “Big Cats.” That’s why we put the Boston brand name on them.

Chemical Hose Benefits

4:1 Safety Factor (Burst: Working Pressure)

• Safer operation.
• Longer hose life

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.
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 RMA 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 if 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 Rubber Manufacturers Association, Hose Technical Information Sub Committee, IP-11-7 Chemical Hose, Copyright 1979, Revised 1987, (202) 682-1338
Hose
Acid Suction

**Boston Tiger Acid Suction**

**Features:**
- EPDM cover
- EPDM tube
- Continuous printed brand
- Yellow cover
- Flexible

**Advantages:**
- Chemical and ozone resistant; longer hose life.
- Acid and chemical resistant
- Easy identification
- Color coded for flexible pipe systems
- Easy to handle

**Tube:** EPDM

**Reinforcement:** Fiber, 4 Spiral or 4 Ply and Helical Wire

**Cover:** EPDM

**Color:** Yellow

**Temperature Range:** -45°F to +180°F

**Type Of Branding:** Printed Strip

**Suction:** Full Vacuum

**Working Pressure:** 150 PSI (Depending on coupling)

**Type Of Coupling:** Cam and Groove or Swaged/Crimped. Clamps—Interlocking or Band.

**Markets:**
- Chemical Industry
- Mining Industry
- Foundries
- Lumber/Woodworking
- Pulp/Paper Processing
- Food Processing
- Tank Truck
- Railroad Tank Car
- Metal Working

**Applications:**
- Transfer of acids and chemicals through pumping, suction, and discharge.
- Transfer of chemicals and acids for processing products.
- Loading and unloading, pumping, suction, or gravity flow discharge
- Etching; cleaning.

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**Table:**

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Refer to warnings and safety information on pages 3-4 and pages 93-94.
# Hose
## Acid Suction

**Boston Cheetah Acid Suction**

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**Tube:** Hypalon®

**Reinforcement:** Fiber, 2 Ply and Helical Wire

**Cover:** Neoprene

**Color:** Yellow

**Temperature Range:** -40°F to +200°F

**Type Of Branding:** Printed Strip

**Suction:** Full Vacuum

**Working Pressure:** 150 PSI (Depending on coupling)

**Type Of Coupling:** Cam and Groove or Swaged/Crimped. Clamps—Interlocking or Band.

**Features:**
- Neoprene cover
- Hypalon tube
- Continuous printed brand
- Yellow cover
- Flexible
- Transfer of acids and chemicals

**Advantages:**
- Age, chemical and ozone resistant; longer hose life.
- Acid and chemical resistant
- Easy identification
- Meets OSHA color requirements for flexible pipe systems
- Easy to handle
- Flexibility of applications

**Markets:**
- Chemical Industry
- Lumber/Woodworking
- Plywood Mfg.
- Pulp Processing
- Tank Truck
- Railroad Tank Car
- Metal Working

**Applications:**
- Transfer of acids and chemicals through pumping, suction, and discharge.
- Transfer of chemicals for processing products.
- Loading and unloading, pumping, or gravity flow discharge
- Etching; cleaning.

Refer to warnings and safety information on pages 3-4 and pages 93-94.

*Hypalon® is a registered trademark of DuPont Dow Elastomers.*
### Boston Leopard Acid Discharge

**Features:**
- EPDM cover
- EPDM tube
- Continuous printed brand
- Yellow cover
- Flexible

**Advantages:**
- Chemical and ozone resistant; longer hose life.
- Acid and chemical resistant
- Easy identification
- Color coded for flexible pipe systems
- Easy to handle
- Meets OSHA color requirements for flexible pipe systems

**Markets:**
- Chemical Industry
- Mining Industry
- Foundries
- Lumber/Woodworking
- Plywood Mfg.
- Pulp/Paper Processing
- Food Processing
- Tank Truck
- Railroad Tank Car
- Metal Working

**Applications:**
- Transfer of acids and chemicals through pumping, suction, and discharge.
- Transfer of chemicals and acids for processing products.
- Loading and unloading, pumping, suction, or gravity flow discharge
- Etching; cleaning.

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*Made to Order*

Refer to warnings and safety information on pages 3-4 and 93-94.
**Hose**

**Chemical Transfer**

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### Boston Panther Chemical Transfer

![Image](27x546 to 287x604)

**Features:**
- EPDM cover
- Clear cross-linked polyethylene tube
- Printed strip brand and caution label every ten feet
- Smooth bore
- Every length serialized

**Advantages:**
- Chemical and ozone resistant; longer hose life.
- Chemical, petroleum, and solvent resistant; won’t contaminate, or discolor fluids
- Easy identification
- Safety
- High visibility
- Rapid fluid flow
- Easy to clean
- Safety and maintenance records

**Tube:** Clear Cross-Linked Polyethylene (XLPE)

**Reinforcement:** Fiber, 2 Braid or 2 Ply and Helical Wire

**Cover:** EPDM

**Color:** Yellow

**Temperature Range:** -45°F to +150°F

**Type Of Branding:** Printed Strip

**Suction:** Full Vacuum

**Working Pressure:** 150-200 PSI (Depending on coupling)

**Type Of Coupling:** Cam and Groove or Swaged/Crimped. Clamps—Interlocking or Band.

**Markets:**
- Chemical/Petroleum Industry
- Lumber/Woodworking
- Plywood Mfg.
- Pulp/Paper Processing
- Tank Truck
- Railroad Tank Car

**Applications:**
- Transfer of acids, chemicals, solvents, and petroleum products.
- Transfer of chemicals and solvents for processing products.
- Loading and unloading, pumping, suction, or gravity flow discharge

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*MTO - Made to Order
### Hose
#### Chemical Transfer

**Boston Panther RC Teflon**

- **Features:**
  - EPDM cover
  - FEP Teflon FDA Approved Materials
  - Printed strip brand and caution label every ten feet
  - Smooth bore
  - Every length serialized

- **Advantages:**
  - Chemical and ozone resistant; longer hose life.
  - Chemical, petroleum, and solvent resistant; won’t contaminate, or discolor fluids
  - Easy identification
  - Safety
  - High visibility
  - Rapid fluid flow
  - Easy to clean
  - Safety and maintenance records

- **Tube:** FEP Teflon FDA Approved Materials
- **Reinforcement:** Fiber 2 Ply with Dual Helical Wires
- **Cover:** EPDM
- **Color:** Yellow
- **Temperature Range:** -45°F to +300°F (Decrease working pressure 1% for every 2°F above 212°F)
- **Type Of Branding:** Printed Strip
- **Suction:** Full Vacuum
- **Working Pressure:** 150-500 PSI (Depending on coupling)
- **Type Of Coupling:** Permanently Attached Couplings Recommended

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*MTO* - Made to Order

Boston Green Cross-Link

**Features:**
- EPDM cover
- Clear cross-linked polyethylene tube
- Continuous impression brand
- Green cover
- Smooth bore
- Serialized lengths

**Advantages:**
- Chemical and ozone resistant; longer hose life.
- Chemical, petroleum, and solvent resistant; won’t contaminate, or discolor fluids
- Easy identification
- Rapid fluid flow
- Easy to clean
- Safety and maintenance records

**Tube:** Clear Cross-Linked Polyethylene (XLPE)

**Reinforcement:** Fiber, 2 Braid or 2 Ply and Helical Wire

**Cover:** EPDM

**Color:** Green

**Temperature Range:** -45°F to +150°F

**Type Of Branding:** Impression

**Suction:** Full Vacuum

**Working Pressure:** 150-200 PSI (Depending on coupling)

**Type Of Coupling:** Cam and Groove or Swaged/Crimped. Clamps—Interlocking or Band.

**Markets:**
- Chemical/Petroleum Industry
- Lumber/Woodworking
- Plywood Mfg.
- Pulp/Paper Processing
- Tank Truck
- Railroad Tank Car
- Waste Hauling

**Applications:**
- Transfer of acids, chemicals, solvents, and petroleum products.
- Transfer of chemicals and solvents for processing products.
- Loading and unloading, pumping, suction, or gravity flow discharge

Refer to warnings and safety information on pages 3-4 and pages 93-94.
Hose
Chemical Transfer

Boston Green Cross-Link Corrugated

Features:
- EPDM cover
- Clear cross-linked polyethylene tube
- Continuous impression brand
- Green cover
- Smooth bore
- Serialized lengths

Advantages:
- Chemical and ozone resistant; longer hose life.
- Chemical, petroleum, and solvent resistant; won’t contaminate, or discolor fluids
- Easy identification
- Rapid fluid flow
- Easy to clean
- Safety and maintenance records

Markets:
- Chemical/Petroleum Industry
- Lumber/Woodworking
- Plywood Mfg.
- Pulp/Paper Processing
- Tank Truck
- Railroad Tank Car
- Waste Hauling

Applications:
- Transfer of acids, chemicals, solvents, and petroleum products.
- Transfer of chemicals and solvents for processing products.
- Loading and unloading, pumping, suction, or gravity flow discharge

<table>
<thead>
<tr>
<th>PRODUCT NUMBER</th>
<th>NOMINAL I.D. (IN.)</th>
<th>NOMINAL O.D. (IN.)</th>
<th>APPROX. WEIGHT PER 100 FT.</th>
<th>MAXIMUM WORKING PRESS. (PSI)</th>
<th>MINIMUM BEND RADIUS (IN.)</th>
<th>MIN. ORDER QTY.</th>
<th>STANDARD LENGTH (FT)</th>
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<tr>
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<td>3-5/8</td>
<td>92.1</td>
<td>164</td>
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<td>12</td>
</tr>
</tbody>
</table>

*MTO - Made to Order

Refer to warnings and safety information on pages 3-4 and pages 93-94.
Boston Chemcat Petrochemical

Features:
- EPDM cover
- Clear U.H.M.W. polyethylene tube (FDA Approved Materials)
- Easy to maintain
- Continuous brand
- Ultra smooth tube
- Available in colors

Advantages:
- Abrasion, chemical and ozone resistant; longer hose life.
- Chemical, petroleum, and solvent resistant; won’t contaminate, or discolor fluids
- May be cleaned with steam, open end discharge only
- Easy identification
- Performance
- Easy to clean
- Color coded hose systems

Markets:
- Chemical/Petroleum Industry
- In-plant Transfer
- Mixing Operations
- Forest Products
- Lumber/Woodworking
- Plywood Mfg.
- Pulp Processing
- Bulk Hauling
- Barges
- Tank Trucks
- Railroad Tank Car

Applications:
- Transfer of acids, chemicals, solvents, and petroleum products.
- Transfer of chemicals and solvents for processing wood products.
- Loading and unloading, pumping, suction, or gravity flow discharge
- Food Transfer

Tube: Ultra High Molecular Weight Polyethylene (U.H.M.W.) FDA Approved Materials
Reinforcement: Fiber, 2 Ply or 4 Ply and Helical Wire (3/4" and 1" Dual Stainless Steel Static Wires)
Cover: EPDM
Color: Purple (PR), Green (GN), Blue (BU)
Temperature Range: -45°F to +160°F†
Type Of Branding: Printed Strip
Suction: Full Vacuum
Working Pressure: 150-200 PSI (Depending on coupling)
Type Of Coupling: Cam and Groove or Swaged/Crimped. Clamps—Interlocking or Band.

Refer to warnings and safety information on pages 3-4 and pages 93-94.
Hose
Chemical Transfer

Boston Chemcat Petrochemical Corrugated

**Product:** Ultra High Molecular Weight Polyethylene (U.H.M.W.) FDA Approved Materials

**Reinforcement:** Fiber, 2 Ply and Helical Wire

**Cover:** EPDM

**Color:** Purple

**Temperature Range:** -45°F to +160°F†

**Type Of Branding:** Printed Strip

**Suction:** Full Vacuum

**Working Pressure:** 150-200 PSI (Depending on coupling)

**Type Of Coupling:** Cam and Groove or Swaged/Crimped. Clamps—Interlocking or Band.

**Features:**
- EPDM cover
- Clear U.H.M.W. polyethylene tube (FDA Approved Materials)
- Easy to maintain
- Continuous printed brand
- Ultra smooth tube
- Corrugated cover

**Advantages:**
- Abrasion, chemical and ozone resistant; longer hose life.
- Chemical, petroleum, and solvent resistant; won’t contaminate, or discolor fluids;
- May be cleaned with steam, open end discharge only
- Easy identification
- Performance
- Easy to clean
- Increased flexibility; light weight

**Markets:**
- Chemical/Petroleum Industry
- In-plant Transfer
- Mixing Operations
- Forest Products
- Lumber/Woodworking
- Plywood Mfg.
- Pulp Processing
- Bulk Hauling
- Barges
- Tank Trucks
- Railroad Tank Car

**Applications:**
- Transfer of acids, chemicals, solvents, and petroleum products.
- Transfer of chemicals and solvents for processing wood products.
- Loading and unloading, pumping, suction, or gravity flow discharge
- Food Transfer

---

**PRODUCT NUMBER** | **Nominal I.D. (IN.)** | **PLY** | **Nominal O.D. (MM)** | **Approx. Lbs. Weight PER 100 FT.** | **Maximum Working Press. (PSI)** | **Minimum Bend Radius (MM)** | **MTO* Order Min. Qty. ** | **Standard Length (FT)**
--- | --- | --- | --- | --- | --- | --- | --- | ---
H059916-150 | 1 | 25.4 | 2 | 1.7/32 | 38.9 | 55 | 200 | 3.0 | 76.2 | 1,650 | 150
H059920-150 | 1-1/4 | 31.8 | 2 | 1-7/8 | 47.6 | 67 | 200 | 4.0 | 101.6 | 1,350 | 150
H059924-150 | 1-1/2 | 38.1 | 2 | 2-1/8 | 54.0 | 89 | 200 | 4.0 | 101.6 | — | 150
H059932-150 | 2 | 50.8 | 2 | 2-5/8 | 67.0 | 116 | 200 | 5.0 | 127.0 | — | 150
H059948-150 | 3 | 76.2 | 2 | 3-5/8 | 92.2 | 168 | 200 | 6.5 | 165.1 | — | 150
H059964-150 | 4 | 101.6 | 2 | 4-3/8 | 118.7 | 226 | 150 | 9.5 | 241.3 | — | 150

†Contact Eaton Technical Support at 1-888-258-0222 for higher temperature applications

*MTO - Made to Order

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Refer to warnings and safety information on pages 3-4 and pages 93-94
Hose
Chemical Transfer

Boston Armorcat Petrochemical

Features:
- Two wire braids
- EPDM cover
- Clear U.H.M.W. polyethylene tube (FDA Approved Materials)
- Easy to maintain
- Dual stainless steel ground wires
- Ultra smooth tube

Advantages:
- Resistant to permanent crushing
- Abrasion, chemical and ozone resistant; longer hose life.
- Chemical, petroleum, and solvent resistant; won’t contaminate, or discolor fluids
- May be cleaned with steam, open end discharge only
- Static dissipating for a safe connection
- Easy to clean

Tube: Ultra High Molecular Weight Polyethylene (U.H.M.W.) FDA Approved Materials

Reinforcement: Wire, 2 Braid, 2 Stainless Steel Static Wires in 1”, 1-1/2” and 2”. 3” & 4” has Helical Wires.

Cover: EPDM
Color: Red

Temperature Range: -45°F to +160°F†

Type Of Branding: Printed Strip

Suction: Full Vacuum

Working Pressure: 300 PSI (Depending on coupling)

Type Of Coupling: Cam and Groove or Swaged/Crimped. Clamps—Interlocking or Band.

Markets:
- Chemical/Petroleum Industry
- In-plant Transfer
- Transportation Hoses
- Mixing Operations
- Chemical Handling
- Forest Products
- Lumber/Woodworking
- Plywood Mfg.
- Pulp Processing
- Bulk Hauling
- Barges
- Tank Trucks
- Railroad Tank Cars

Applications:
- Transfer of acids, chemicals, solvents, and petroleum products.
- Transfer of chemicals and solvents for processing wood products.
- Loading and unloading, pumping, suction, or gravity flow discharge
- Food Transfer

Refer to warnings and safety information on pages 3-4 and pages 93-94.

<table>
<thead>
<tr>
<th>PRODUCT NUMBER</th>
<th>NOMINAL I.D. (IN.)</th>
<th>NOMINAL O.D. (MM)</th>
<th>APPROX. LBS. WGT PER 100 FT.</th>
<th>MAXIMUM WORKING PRESS. (PSI)</th>
<th>MINIMUM VACUUM INCHES MERCURY</th>
<th>MINIMUM BEND (IN.)</th>
<th>MTO* ORDER QTY.</th>
<th>MIN. STANDARD LENGTH (FT)</th>
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<td>H055424-150</td>
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<td>2 2-1/16 52.4 97</td>
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<td>22</td>
<td>—</td>
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</table>

†Contact Eaton Technical Support at 1-888-258-0222 for higher temperature applications.

*MTO - Made to Order
Hose
Chemical Transfer

Boston Armorcat Petrochemical Corrugated

Tube: Ultra High Molecular Weight Polyethylene (U.H.M.W.) FDA Approved Materials
Reinforcement: Wire, 2 Braid, 2 Stainless Steel Static Wires
Cover: EPDM
Color: Red
Temperature Range: -45°F to +160°F†
Type Of Branding: Printed Strip
Suction: Full Vacuum
Working Pressure: 300 PSI (Depending on coupling)
Type Of Coupling: Cam and Groove or Swaged/Crimped. Clamps—Interlocking or Band.

Features:
• Two wire braids
• EPDM cover
• Clear U.H.M.W. polyethylene tube (FDA Approved Materials)
• Easy to maintain
• Dual stainless steel ground wires
• Ultra smooth tube

Advantages:
• Resistant to permanent crushing
• Abrasion, chemical and ozone resistant; longer hose life.
• Chemical, petroleum, and solvent resistant; won’t contaminate, or discolor fluids
• May be cleaned with steam, open end discharge only
• Static dissipating for a safe connection
• Easy to clean

Markets:
• Chemical/Petroleum Industry
• In-plant Transfer
• Transportation Hoses
• Mixing Operations
• Chemical Handling
• Forest Products
• Lumber/Woodworking
• Plywood Mfg.
• Pulp Processing
• Bulk Hauling
• Barges
• Tank Trucks
• Railroad Tank Cars

Applications:
• Transfer of acids, chemicals, solvents, and petroleum products.
• Transfer of chemicals and solvents for processing wood products.
• Loading and unloading, pumping, suction, or gravity flow discharge
• Food Transfer

<table>
<thead>
<tr>
<th>PRODUCT NUMBER</th>
<th>NOMINAL I.D. (IN.)</th>
<th>NOMINAL O.D. (IN.)</th>
<th>APPROX. LBS. WEIGHT PER 100 FT.</th>
<th>MAXIMUM WORKING PRESS. (PSI)</th>
<th>MINIMUM BEND RADIUS (IN.)</th>
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<td>25</td>
<td>150</td>
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</tbody>
</table>

†Contact Eaton Technical Support at 1-888-258-0222 for higher temperature applications.
Hose
Chemical Transfer

Boston Marauder

Features:
• Superior flexibility
• Tight bend radius
• Light weight
• Easy to clean
• Available with modified U.H.M.W. cover wrap for superior abrasion resistance
• FDA approved materials

Advantages:
• 40% less force to bend than Corrugated Chemcat
• Chemical, petroleum and solvent resistant.
• Abrasion, chemical and ozone resistant.

Markets:
• Bulk Hauling
• Barges
• Tank Trucks
• Railroad Tank Cars
• In-plant Transfer
• Transportation
• Mixing Operations
• Chemical Handling

Applications:
• Loading and unloading, pumping, suction, or gravity flow discharge
• Transfer of acids, chemicals and solvents.
• Food Transfer

Tube: Modified Ultrahigh Molecular Weight Polyethylene (U.H.M.W.) FDA Approved Materials
Reinforcement: Fiber, 2 Ply and Helical Wire
Cover*: EPDM (H0683 Modified U.H.M.W. available with 900 ft minimum order)
Color: Blue & Green (other colors available with 900 ft minimum order)
Temperature Range: -45°F to +250°F (depends on media being transferred, please contact technical support at 1-888-258-0222 for temperatures above 160°F)
Type Of Branding: Printed Strip
Working Pressure: 200 PSI (depends on coupling)
Type Of Coupling: Cam and Groove or Swaged/Crimped.
Clamps: Interlocking or Band.
*Modified U.H.M.W. cover wrap for superior abrasion resistance available with 900 ft minimum order.

Refer to warnings and safety information on pages 3-4 and pages 93-94.
Hose
Hot Liquid Transfer

Boston Alleycat

Refer to warnings and safety information on pages 3-4 and pages 93-94.

<table>
<thead>
<tr>
<th>PRODUCT NUMBER</th>
<th>NOMINAL I.D. (IN.)</th>
<th>WIRE Braid</th>
<th>NOMINAL O.D. (IN.)</th>
<th>APPROX. LBS. WEIGHT PER 100 FT.</th>
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<th>MINIMUM BEND RADIUS (IN.)</th>
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<th>MIN. ORDER QTY.</th>
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</tbody>
</table>

Tube: Synthetic Rubber Specially Compounded for High Temperature Applications

Reinforcement: Wire Braid, 2 Stainless Steel Static Wires (1-1/2" and 2"). 2 Steel Helical Wires (3").

Cover: EPDM

Color: Yellow

Temperature Range: -40°F to +300°F

Type Of Branding: Printed Strip

Suction: Full Vacuum

Working Pressure: 500 PSI (Depending on coupling and clamp)

Type Of Coupling: Interlocking, Cam and Groove or Swaged/Crimped. Clamps—Interlocking, Swaged/Crimp Ferrule or Band.

Features:
- Wire braid
- Dual stainless steel static
- EPDM cover
- Specially compounded tube

Advantages:
- Permanent crush-resistant
- 500 psi in all sizes
- Abrasion, age- and ozone-resistant cover
- Handles up to 300°F
- May be cleaned with steam, open end discharge only
- Safe transfer of hot cleaning solution

Markets:
- Pulp and Pater Industry
- Industrial Cleaning

Applications:
- In-plant transfer of liquors and cleaning solutions
- Tank Spinner
- Hot Caustics

Boston Alleycat

Tube:
- Synthetic Rubber Specially Compounded for High Temperature Applications

Reinforcement:
- Wire Braid, 2 Stainless Steel Static Wires (1-1/2" and 2"). 2 Steel Helical Wires (3").

Cover:
- EPDM

Color:
- Yellow

Temperature Range:
- -40°F to +300°F

Type Of Branding:
- Printed Strip

Suction:
- Full Vacuum

Working Pressure:
- 500 PSI (Depending on coupling and clamp)

Type Of Coupling:
- Interlocking, Cam and Groove or Swaged/Crimped. Clamps—Interlocking, Swaged/Crimp Ferrule or Band.

Features:
- Wire braid
- Dual stainless steel static
- EPDM cover
- Specially compounded tube

Advantages:
- Permanent crush-resistant
- 500 psi in all sizes
- Abrasion, age- and ozone-resistant cover
- Handles up to 300°F
- May be cleaned with steam, open end discharge only
- Safe transfer of hot cleaning solution

Markets:
- Pulp and Pater Industry
- Industrial Cleaning

Applications:
- In-plant transfer of liquors and cleaning solutions
- Tank Spinner
- Hot Caustics

Refer to warnings and safety information on pages 3-4 and pages 93-94.
Boston Cougar CPE Corrugated

Tube: Chlorinated Polyethylene (CPE)
Reinforcement: Fiber, 2 Ply Helical Wires
Cover: Corrugated EPDM
Color: Brown
Temperature Range: -45°F to +275°F
Type Of Branding: Printed Strip
Suction: Full Vacuum
Working Pressure: 150 PSI (Depending on coupling)
Type Of Coupling: Swaged/Crimped, Cam and Groove. Clamps—Ferrule or Band.

Features:
• EPDM cover
• CPE tube
• Continuous printed brand
• Brown cover

Advantages:
• Abrasion, chemical, and ozone resistant. Longer hose life.
• Chemical, petroleum, acid and alcohol resistant. Heat resistant.
• Easy identification
• Color coded hose systems.

Markets:
• Chemical/Petroleum Industry
• In-plant Transfer
• Mixing Operations
• Forest Products
• Lumber/Woodworking
• Plywood Manufacturing
• Pulp Processing
• Rail Haulage
• Barges
• Tank Trucks
• Railroad Tank Cars

Applications:
• Transfer of acids, chemicals, alcohols and petroleum products.
• Transfer of chemicals, and acids for processing wood products.
• Loading and unloading, pumping, suction, or gravity flow discharge

<table>
<thead>
<tr>
<th>CATALOG NUMBER</th>
<th>NOMINAL I.D. (IN)</th>
<th>Braid</th>
<th>NOMINAL O.D. (IN)</th>
<th>APPROX. LBS. WEIGHT PER 100 FT</th>
<th>MAXIMUM WORKING PRESS. (PSI)</th>
<th>MINIMUM BEND RADIUS (IN.)</th>
<th>STANDARD LENGTHS (FT)</th>
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<tbody>
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<tr>
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<td>229.0</td>
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</tbody>
</table>

Refer to warnings and safety information on pages 3-4 and pages 93-94.