

# Application Data

## Important Safety Information

### 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.

# Application Data

## 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.

### 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.

### 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.

# Hose

## Chemical Service Intro

### 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 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

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

### Boston Tiger Acid Suction



**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.

#### 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

#### 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.

PRODUCT NUMBER	NOMINAL I.D. (IN.)	(MM)	REINF.	NOMINAL O.D. (IN.)	(MM)	APPROX. LBS. WEIGHT PER 100 FT.	MAXIMUM WORKING PRESS. (PSI)	MINIMUM BEND RADIUS (IN.)	(MM)	STANDARD LENGTH (FT)
H034524-100	1-1/2	38.1	4 Sp	2-1/8	60.3	155	150	4	101.6	100
H034532-100	2	50.8	4 Sp	2-5/8	73.0	192	150	5	127.0	100
H034548-150	3	76.2	4 Sp	3-5/8	100.0	286	150	9	228.6	150
H034564-150	4	101.6	4 Sp	4-43/64	125.4	369	150	11	279.4	150
H034596-150	6	152.4	4 Ply	7-7/32	183.4	782	150	30	762.0	150

# Hose

## Acid Suction

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

### Boston Cheetah Acid Suction



**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.

PRODUCT NUMBER	NOMINAL I.D. (IN.)	(MM)	PLY	NOMINAL O.D. (IN.)	(MM)	APPROX. LBS. WEIGHT PER 100 FT.	MAXIMUM WORKING PRESS. (PSI)	MINIMUM BEND RADIUS (IN.)	(MM)	STANDARD LENGTH (FT)
H042324-150	1-1/2	38.1	2	2-3/8	60.3	155	150	6	152.4	150
H042332-150	2	50.8	2	2-7/8	73.0	192	150	9	228.6	150
H042348-150	3	76.2	2	3-15/16	100.0	286	150	20	508.0	150
H042364-150	4	101.6	2	4-15/16	125.4	369	150	30	762.0	150

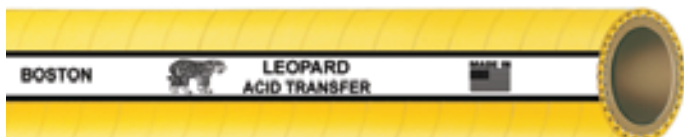
Hypalon® is a registered trademark of DuPont Dow Elastomers.

# Hose

## Acid Discharge

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

### Boston Leopard Acid Discharge



Tube: EPDM  
 Reinforcement: Fiber, 4 Spiral  
 Cover: EPDM  
 Color: Yellow  
 Temperature Range: -45°F to +180°F  
 Type Of Branding: Printed Strip  
 Working Pressure: 100-150 PSI (Depending on coupling)  
 Type Of Coupling: Cam and Groove or Swaged/Crimped. Clamps—Interlocking or Band.

#### 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.

PRODUCT NUMBER	NOMINAL I.D. (IN.)	I.D. (MM)	SPIRAL	NOMINAL O.D. (IN.)	O.D. (MM)	APPROX. LBS. WEIGHT PER 100 FT.	MAXIMUM WORKING PRESS. (PSI)	MAXIMUM BEND RADIUS (IN.)	BEND RADIUS (MM)	MTO*MIN. ORDER QTY.	STANDARD LENGTH (FT)
H034624-100	1-1/2	38.1	4	2-17/64	57.4	120	150	6	152.4	—	100
H034632-100	2	50.8	4	2-3/4	69.9	150	150	9	228.6	—	100
H034648-100	3	76.2	4	3-3/4	98.0	210	100	20	508.0	—	100
H034664	4	101.6	4	4-55/64	123.4	260	100	30	762.0	500	50

\*MTO - Made to Order

# Hose

## Chemical Transfer

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

### Boston Panther Chemical Transfer



**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.

#### 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

#### 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


PRODUCT NUMBER	NOMINAL I.D. (IN.)	I.D. (MM)	REINF	NOMINAL O.D. (IN.)	O.D. (MM)	APPROX. LBS. WEIGHT PER 100 FT.	MAXIMUM WORKING PRESS. (PSI)	MINIMUM BEND RADIUS (IN.)	RADIUS (MM)	MTO* MIN. ORDER QTY.	STANDARD LENGTH (FT)
H835916-150	1	25.4	2 Br	1-17/32	38.9	72	200	5	127.0	1,650	150
H835920-150	1-1/4	31.8	2 Ply	1-7/8	47.6	86	200	8	203.2	1,350	150
H835924-150	1-1/2	38.1	2 Ply	2-1/8	54.0	89	200	8	203.2	1,200	150
H835932-150	2	50.8	2 Ply	2-5/8	66.7	113	200	9	228.6	900	150
H835940-150	2-1/2	63.5	2 Ply	3-1/8	79.4	140	150	12	304.8	750	150
H835948-150	3	76.2	2 Ply	3-5/8	92.1	164	150	16	406.4	600	150
H835964-150	4	101.6	2 Ply	4-11/16	119.1	239	150	21	533.4	450	150

\*MTO - Made to Order



# Hose

## Chemical Transfer

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

### Boston Panther RC Teflon



**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.

#### 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

#### Markets:

- Chemical/Petroleum Industry
- Lumber/Woodworking Plywood Mfg.
- Pulp/Paper Processing
- Tank Truck
- Railroad Tank Car
- In-plant Transfer

#### 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
- Food Transfer


PRODUCT NUMBER	NOMINAL I. D. (IN)	PLY	MINIMUM NOMINAL O.D. (IN)	MAX. WORKING PRESS. (PSI)	BEND RADIUS (IN.)	MTO* MIN ORDER QTY	STANDARD LENGTH (FT)
H064308-100	1/2	2	.950	500	3	500	100
H064312-100	3/4	2	1.230	500	3	500	100
H064316-100	1	2	1.520	450	4	500	100
H064320-100	1-1/4	2	1.730	350	8.5	500	100
H064324-100	1-1/2	2	2.120	300	9	500	100
H064332-100	2	2	2.671	250	10.5	500	100
H064340-100	2-1/2	2	3.200	200	16.5	500	100
H064348-100	3	2	3.880	200	20	500	100
H064364-100	4	2	4.968	150	30	500	100

\*MTO - Made to Order

Meets ozone resistance of 50 pphm when tested to ASTM D-622 Procedure 9.

# Hose

## Chemical Transfer

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

### Boston Green Cross-Link



**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.

#### 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

PRODUCT NUMBER	NOMINAL I.D. (IN.)	(MM)	REINF.	NOMINAL O.D. (IN.)	(MM)	APPROX. LBS. WEIGHT PER 100 FT.	MAXIMUM WORKING PRESS. (PSI)	MINIMUM BEND RADIUS (IN.)	(MM)	STANDARD LENGTH (FT)
H037816-150	1	25.4	2 Br	1-17/32	38.9	72	200	5	127.0	150
H037820-150	1-1/4	31.8	2 Ply	1-7/8	47.6	86	200	8	203.2	150
H037824-150	1-1/2	38.1	2 Ply	2-1/8	54.0	89	200	8	203.2	150
H037832-150	2	50.8	2 Ply	2-5/8	66.7	113	200	9	228.6	150
H037848-150	3	76.2	2 Ply	3-5/8	92.1	164	150	16	406.4	150
H037864-150	4	101.6	2 Ply	4-11/16	119.1	239	150	21	533.4	150

# Hose

## Chemical Transfer

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

### Boston Green Cross-Link Corrugated



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

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

**Cover:** EPDM

**Color:** Green

**Temperature Range:** -45°F to +150°

**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.

#### 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

PRODUCT NUMBER	NOMINAL I.D. (IN.)	(MM)	PLY	NOMINAL O.D. (IN.)	(MM)	APPROX. LBS. WEIGHT PER 100 FT.	MAXIMUM WORKING PRESS. (PSI)	MINIMUM BEND RADIUS (IN.)	(MM)	MTO* MIN. ORDER QTY.	STANDARD LENGTH (FT)
H061532-150	2	50.8	2	2-5/8	66.7	113	200	7	152.4	—	150
H061548-150	3	76.2	2	3-5/8	92.1	164	150	12	304.8	—	150

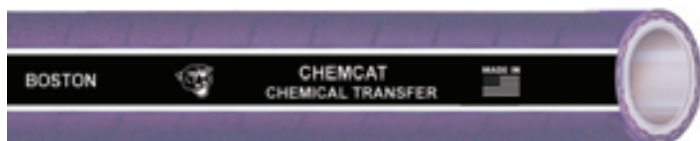
\*MTO - Made to Order

# Hose

## Chemical Transfer

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

### Boston Chemcat Petrochemical



**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.

#### 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

PRODUCT NUMBER	NOMINAL I.D. (IN.)	(MM)	PLY	NOMINAL O.D. (IN.)	(MM)	APPROX. LBS. WEIGHT PER 100 FT.	MAXIMUM WORKING PRESS. (PSI)	MINIMUM BEND RADIUS (IN.)	(MM)	STANDARD LENGTH (FT)
H052312-150	3/4	19.1	2	1-13/64	30.6	31	200	4	152.4	150(PR)
H052316-150	1	25.4	2	1-17/32	38.9	55	200	5-1/2	152.4	150(PR)
H052320-150	1-1/4	31.8	2	1-7/8	47.6	67	200	6	152.4	150(PR)
H052324-150	1-1/2	38.1	2	2-1/8	54.0	89	200	7-1/2	152.4	150(PR)
H052332-150	2	50.8	2	2-5/8	67.0	116	200	8	152.4	150(PR,GN,&BU)
H052340-150	2-1/2	63.5	2	3-1/8	79.4	142	200	8	203.2	150(PR)
H052348-150	3	76.2	2	3-5/8	92.2	168	200	9	229.0	150(PR,GN,&BU)
H052364-150	4	101.6	2	4-43/64	118.7	226	150	15	381.0	150(PR)
H052396-150	6	152.4	4	7	177.8	721	150	30	762.0	150(PR)

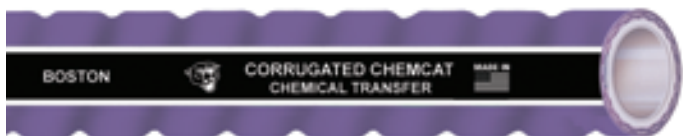
†Contact Eaton Technical Support at 1-888-258-0222 for higher temperature applications

# Hose

## Chemical Transfer

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

### Boston Chemcat Petrochemical Corrugated



**Tube:** 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.)	I.D. (MM)	PLY	NOMINAL O.D. (IN.)	O.D. (MM)	APPROX. LBS. WEIGHT PER 100 FT.	MAXIMUM WORKING PRESS. (PSI)	MINIMUM BEND RADIUS (IN.)	BEND RADIUS (MM)	MTO* MIN. ORDER QTY.	STANDARD LENGTH (FT)
H059916-150	1	25.4	2	1-17/32	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	4-43/64	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

# Hose

## Chemical Transfer

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

### Boston Armorcat Petrochemical



**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.

#### 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


PRODUCT NUMBER	NOMINAL I.D. (IN.)	(MM)	BRAID	NOMINAL O.D. (IN.)	(MM)	APPROX. LBS. WGHT PER 100 FT.	MAXIMUM WORKING PRESS. (PSI)	INCHES MERCURY VACUUM	MINIMUM BEND RADIUS (IN.)	(MM)	MTO* MIN. ORDER QTY.	STANDARD LENGTH (FT)
H055416-150	1	25.4	2	1-17/32	38.9	55	300	25	6	152.4	2,550	150
H055424-150	1-1/2	38.1	2	2-1/16	52.4	97	300	25	8	203.2	—	150
H055432-150	2	50.8	2	2-19/32	65.9	155	300	25	14	355.6	—	150
H055448-150	3	76.2	2	3-5/8	92.1	231	300	25	22	558.8	—	150
H055464-150	4	101.6	2	4-43/64	118.7	422	300	25	22	—	—	150

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

\*MTO - Made to Order

# Hose

## Chemical Transfer

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

### 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

PRODUCT NUMBER	NOMINAL I.D. (IN.)	(MM)	BRAID	NOMINAL O.D. (IN.)	(MM)	APPROX. LBS. WEIGHT PER 100 FT.	MAXIMUM WORKING PRESS. (PSI)	INCHES MERCURY VACUUM	MINIMUM BEND RADIUS (IN.)	(MM)	STANDARD LENGTH (FT)
H006032-150	2	50.8	2	2-19/32	65.9	155	300	25	12	304.8	150

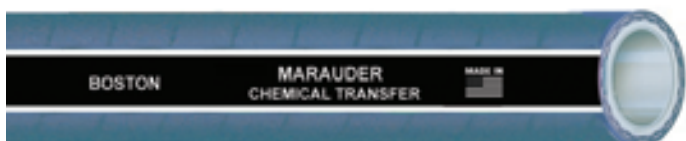
†Contact Eaton Technical Support at 1-888-258-0222 for higher temperature applications.

# Hose

## Chemical Transfer

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

### Boston Marauder



**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.

#### 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

CATALOG NUMBER	NOMINAL I.D. (IN)	(MM)	PLY	NOMINAL O.D. (IN)	(MM)	APPROX. WEIGHT (LBS) PER 100 FT	MAX. WORKING PRESS. (PSI)	MIN. BEND RADIUS (IN)	STANDARD LENGTHS (FT)
H068132	2	50.8	2	2-5/8	67.0	116	200	5	150(GR,BU)
H068140	2-1/2	63.5	2	3-1/8	79.4	142	200	6	150(GR,BU)
H068148	3	76.2	2	3-5/8	92.2	168	200	6.5	150(GR,BU)



# Hose

## Hot Liquid Transfer

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

### 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 Paper Industry
- Industrial Cleaning


#### Applications:

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

PRODUCT NUMBER	NOMINAL I.D. (IN.)	(MM)	WIRE BRAID	NOMINAL O.D. (IN.)	(MM)	APPROX. LBS. WEIGHT PER 100 FT.	MAXIMUM WORKING PRESS. (PSI)	MINIMUM BEND MTO MIN. RADIUS (IN.)	STANDARD ORDER QTY.	LENGTH (FT)
H969924	1-1/2	38.1	2	2-3/16	55.6	150	500	8	—	50
H969924-150										150
H969932	2	50.8	2	2-11/16	68.3	177	500	16	—	50
H969932-150										150
H969948	3	76.2	2	3-23/32	94.5	300	500	24	2850	50
H969948-150										150

# Hose

## Hot Liquid Transfer

 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
- Bulk Hauling
- 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

CATALOG NUMBER	NOMINAL I.D. (IN)	(MM)	BRAID	NOMINAL O.D. (IN)	(MM)	APPROX. LBS. WEIGHT PER 100 FT	MAXIMUM WORKING PRESS. (PSI)	MINIMUM BEND RADIUS (IN.)	(MM)	STANDARD LENGTHS (FT)
H066124-150	1-1/2	38.1	2	2-1/8	54.0	89	150	6	152.4	150
H066132-150	2	50.8	2	2-5/8	67.0	116	150	6	152.4	150
H066148-150	3	76.2	2	3-5/8	92.2	168	150	9	229.0	150