

# 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

## Air & Multi-Purpose Intro

### Important Air & Multi-Purpose Hose Safety Information!

 **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 Boston 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 & MULTI-PURPOSE HOSE BENEFITS

#### 4:1 Safety Factor (Burst: Working Pressure)

- Safer operation.
- Longer hose life.
- Full range of sizes and styles.
- Boston multi-purpose hoses are designed to match capability with the job you need to do. Boston brand products offer a well-rounded choice of hose styles for services ranging from high pressure use in heavy construction to economical hose for light duty agricultural and industrial applications.

### 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 "MULTI-PURPOSE" hoses, meaning they'll do a tremendous variety of jobs. In many cases one Boston 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 Boston 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.

# Hose

## High Working Pressure

 Refer to warnings and safety information on pages 3-4 and page 38.

### Boston Concord Yellow Jack



**Tube:** Nitrile (RMA Class A)

**Reinforcement:** Wire, 1, 2, or 3 Braid

**Cover:** Neoprene/Pinpricked MSHA Approved

**Color:** Yellow

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

**Type Of Branding:** Impression

**Working Pressure:** 400-1500 PSI

**Type Of Coupling:** 430 'U' Series, Swaged/Crimped, Interlocking, or Steel Nipple. Clamps —Interlocking.

**Branding:** Boston Concord Yellow Jack Air

#### Features:

- Neoprene cover
- Nitrile tube (RMA Class A)
- Continuous permanent brand
- Wide range of sizes

#### Advantages:

- Abrasion, oil, and weather resistant
- Good oil resistance
- Easy identification
- Many applications

#### Markets:

- Construction Industry
- Oil Field Equipment
- Drilling Equipment
- Mining

#### Applications:

- Provide power to air-operated construction equipment. (Bull lines, jackhammer, etc.)
- Power air-operated drills, boring, and mining equipment

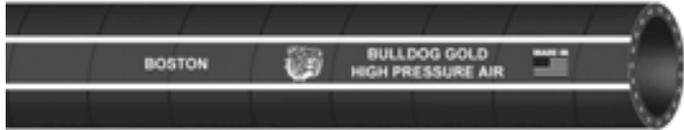
PRODUCT NUMBER	NOMINAL I.D. (IN.)	NOMINAL I.D. (MM)	BRAID	NOMINAL O.D. (IN.)	NOMINAL O.D. (MM)	APPROX. LBS. WEIGHT PER 100 FT.	MAX. WORKING PRESS. (PSI)	STANDARD LENGTH (FT)
H600808	1/2	12.7	1	31/32	24.6	40	1,500	50
H600808-100								100
H600808-150								150
H600812	3/4	19.1	1	1-1/4	31.8	62	1,200	50
H600812-100								100
H600812-150								150
H600816	1	25.4	1	1-1/2	38.1	80	1,000	50
H600816-100								100
H600816-150								150
H600820	1-1/4	31.8	1	1-13/16	46.0	122	650	50
H600820-100								100
H600820-150								150
H600824	1-1/2	38.1	2	2-1/8	53.9	143	600	50
H600824-100								100
H600824-150								150
H600832	2	50.8	2	2-21/32	67.4	216	600	50
H600832-100								100
H600832-150								150
H600840	2-1/2	63.5	2	3-5/32	80.1	240	400	50
H600840-100								100
H600840-150								150
H600848	3	76.2	2	3-23/32	94.4	310	400	50
H600848-100								100
H600848-150								150
H600864	4	101.6	3	5	127.0	579	400	50
H600864-100								100
H600864-150								150

# Hose

## High Working Pressure

 Refer to warnings and safety information on pages 3-4 and page 38.

### Boston Bulldog Gold



**Tube:** Nitrile (RMA Class A)

**Reinforcement:** Wire, 1, 2, or 3 Braid

**Cover:** Carboxylated Nitrile/Pinpricked

**Color:** Black

**Temperature Range:** -40°F To +250°F

**Type Of Branding:** Printed Strip

**Working Pressure:** 500-1200 PSI

**Type Of Coupling:** 430 'U' Series, Non-Reattachable (Swaged), Interlocking, or Steel Nipple. Clamps —Interlocking.

#### Features:

- Carboxylated Nitrile cover
- Nitrile tube (RMA Class A)
- Continuous permanent brand

#### Advantages:

- Excellent abrasion, oil, and weather resistant
- Excellent lube oil resistance and high temperature resistance
- Easy identification

#### Markets:

- Construction Industry
- Oil Field Equipment
- Drilling Equipment
- Mining
- All Markets

#### Applications:

- Provide power to air-operated construction equipment. (Bull lines, jackhammer, etc.)
- Power air-operated drills, boring, and mining equipment
- Use when you need a reinforced hose for extremely abusive applications

PRODUCT NUMBER	NOMINAL I.D. (IN.)	NOMINAL I.D. (MM)	BRAID	NOMINAL O.D. (IN.)	NOMINAL O.D. (MM)	APPROX. LBS. WEIGHT PER 100 FT.	MAX. WORKING PRESS. (PSI)	MTO* MIN. ORDER QTY.	STANDARD LENGTH (FT)
H600912	3/4	19.1	1	1-1/4	31.8	64	1,200	2,100	50
H600912-100									100
H600912-150									150
H600916	1	25.4	1	1-1/2	38.1	80	1,000	1,500	50
H600916-100									100
H600916-150									150
H600920	1-1/4	31.8	1	1-13/16	46.0	120	800	—	50
H600920-100									100
H600920-150									150
H600924	1-1/2	38.1	2	2-1/8	53.9	134	600	—	50
H600924-100									100
H600924-150									150
H600932	2	50.8	2	2-21/32	67.4	197	600	—	50
H600932-100									100
H600932-150									150
H600940	2-1/2	63.5	2	3-5/32	80.1	250	600	—	50
H600940-100									100
H600940-150									150
H600948	3	76.2	2	3-23/32	94.4	315	600	—	50
H600948-100									100
H600948-150									150
H600964	4	101.6	3	5	127.0	532	500	—	50
H600964-100									100
H600964-150									150

\*MTO—Made To Order

# Hose

## High Working Pressure

 Refer to warnings and safety information on pages 3-4 and page 38.

### Boston Contractors Air



**Tube:** Nitrile (RMA Class A)

**Reinforcement:** Wire, 1 or 2 Braid

**Cover:** Neoprene/Pinpricked

**Color:** Yellow

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

**Type Of Branding:** Ink Print

**Working Pressure:** 500-1000 PSI

**Type Of Coupling:** 430 'U' Series, Non-Reattachable (Swaged), Interlocking, or Steel Nipple. Clamps —Interlocking.

#### Features:

- Neoprene cover
- Nitrile tube (RMA Class A)
- Continuous permanent brand
- Wide range of sizes

#### Advantages:

- Abrasion, oil, and weather resistant
- Good oil resistance
- Easy identification
- Many applications

#### Markets:

- Construction Industry
- Oil Field Equipment
- Drilling Equipment
- Mining

#### Applications:

- Provide power to air-operated construction equipment. (Bull lines, jackhammer, etc.)
- Power air-operated drills, boring, and mining equipment

PRODUCT NUMBER	NOMINAL I.D. (IN.)	NOMINAL I.D. (MM)	BRAID	NOMINAL O.D. (IN.)	NOMINAL O.D. (MM)	APPROX. LBS. WEIGHT PER 100 FT.	MAX. WORKING PRESS. (PSI)	STANDARD LENGTH (FT)
H962208	1/2	12.7	1	15/16	23.8	34	1,000	50
H962208-100								100
H962208-150								150
H962212	3/4	19.1	1	1-3/16	30.2	44	1,000	50
H962212-100								100
H962212-150								150
H962216	1	25.4	1	1-1/2	38.1	61	850	50
H962216-100								100
H962216-150								150
H962220	1-1/4	31.8	1	1-23/32	43.7	81	500	50
H962220-100								100
H962220-150								150
H962224	1-1/2	38.1	2	2-1/8	53.9	150	500	50
H962224-100								100
H962224-150								150
H962232	2	50.8	2	2-21/32	67.4	204	500	50
H962232-100								100
H962232-150								150

# Hose

## Medium Working Pressure

 Refer to warnings and safety information on pages 3-4 and page 38.

### Boston Concord Air



**Tube:** Nitrile

**Reinforcement:** Fiber, 2 Braid or 2 Ply

**Cover:** Neoprene 1/2", 3/4" & 1" Pinpricked  
Vinyl Nitrile 1-1/4", 1-1/2", 2" & 3" Pinpricked

**Color:** Red

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

**Type Of Branding:** Impression

**Working Pressure:** 300-400 PSI

**Type Of Coupling:** 'U' Series or 430 'U' Series, Interlocking, Non-Reattachable (Swaged), Quick Acting, Long Shank, Steel Nipple. Clamps —Interlocking or Bands.

#### Features:

- Neoprene cover
- Nitrile tube
- Continuous permanent brand
- Two textile braids or ply

#### Advantages:

- Abrasion, oil, and weather resistant
- Good oil resistance
- Easy identification
- Easy to handle
- Kink resistant

#### Markets:

- Construction Industry
- Forest Industry
- Metal Working
- Mining

#### Applications:

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

PRODUCT NUMBER	NOMINAL I.D. (IN.) (MM)		REINF.	NOMINAL O.D. (IN.) (MM)		APPROX. LBS. WEIGHT PER 100 FT.	MAX. WORKING PRESS. (PSI)	MTO* MIN. ORDER QTY.	STANDARD LENGTH (FT)
H600208	1/2	12.7	2 Br	29/32	23.0	31	400	—	50
H600208-100									100
H600208-150									150
H600212	3/4	19.1	2 Br	1-3/16	30.2	46	400	—	50
H600212-100									100
H600212-150									150
H600216	1	25.4	2 Br	1-1/2	38.1	67	400	—	50
H600216-100									100
H600216-150									150
H600220	1-1/4	31.8	2 Ply	1-13/16	46.0	86	400	—	50
H600220-100									100
H600220-150									150
H600224	1-1/2	38.1	2 Ply	2-1/16	52.4	99	400	—	50
H600224-100									100
H600224-150									150
H600232	2	50.8	2 Ply	2-5/8	66.7	127	300	—	50
H600232-100									100
H600232-150									150
H600248	3	76.2	2 Ply	3-9/16	90.49	192	200	600	50
H600248-100									100
H600248-150									150

\*MTO—Made To Order

# Hose

## Medium Working Pressure

 Refer to warnings and safety information on pages 3-4 and page 38.

### Boston Mineforce



**Tube:** Modified Vinyl  
**Reinforcement:** Fiber, 4 Spiral  
**Cover:** PVC/Nitrile Blend Wrapped Impression Finish  
**Color:** Yellow  
**Temperature Range:** -20°F To +150°F  
**Type Of Branding:** Ink Print  
**Working Pressure:** 400 PSI  
**Type Of Coupling:** 'U' Series with 3/4", Interlocking, Non-Reattachable Quick Acting, Long Shank, or Steel Nipple. Clamps —Interlocking, (Swaged).  
*Do not use internal expanded couplings.*

#### Features:

- Light weight
- Flexible
- Bright yellow cover
- Modified vinyl tube
- Rubber modified thermoplastic cover
- Packaged in 50 & 100 foot lengths
- Factory tested to exceed minimum electrical resistivity of one megohm per inch at 1000 volts D.C.

#### Advantages:

- Easy to handle
- Easy to route
- Very visible; safety
- Moderate oil resistance
- Abrasion, age, ozone and moderate oil resistance
- Exact lengths; no waste

#### Markets:

- Mining
- Construction
- Ship Building
- Paper/Pulp Processing
- Food processing

#### Applications:

- High pressure air tools
- Transfer air and water
- Water supply
- Water washdown

PRODUCT NUMBER	NOMINAL I.D. (IN.)	(MM)	SPIRAL	NOMINAL O.D. (IN.)	(MM)	APPROX. LBS. WEIGHT PER 100 FT.	MAX. WORKING PRESS. (PSI)	MTO* MIN. ORDER QTY.	STANDARD LENGTH (FT)
H157108	1/2	12.7	4	5/16	7.9	30	400	5,000	50
H157108-100									100
H157112	3/4	19.1	4	1-3/16	30.2	40	400	—	50
H157112-100									100
H157116	1	25.4	4	1-15/32	37.3	55	400	5,000	50
H157116-100									100

*Stated working pressures are tested at 68°F. Working pressure decreases as temperature increases. See chart on page 14 showing the relationship between working pressure and temperature for reinforced PVC hose.*

\*MTO—Made To Order

# Hose

## Low Working Pressure

 Refer to warnings and safety information on pages 3-4 and page 38.

### Boston Perfection 300



**Tube:** Nitrile (RMA Class A)

**Reinforcement:** Fiber, 1 or 2 Braid

**Cover:** Vinyl Nitrile

**Color:** Red

**Temperature Range:** -40°F To +180°F

**Type Of Branding:** Ink Print

**Working Pressure:** 325 PSI

**Type Of Coupling:** 'U' Series or 430 'U' Series, Long Shank, Standard Serrated Nipple or Steel Nipple. Clamps —Interlocking or Bands.

#### Features:

- Vinyl nitrile cover
- Nitrile tube (RMA Class A)
- Continuous permanent brand
- Multi-purpose hose
- High working pressure
- Braided reinforcement

#### Advantages:

- Abrasion, oil, and weather resistant
- Good oil resistance
- Easy identification
- Wide variety of applications
- Rugged; long life
- Better coupling retention for impulse applications

#### Markets:

- Assembly/Manufacturers
- Construction Industry
- Forest Industry
- Metal Working
- Mining
- Ship Building

#### Applications:

- Pneumatic tools on production line; convey air and water
- Provide power to air operated equipment
- Convey air and water

PRODUCT NUMBER	NOMINAL I.D. (IN.)	(MM)	BRAID	NOMINAL O.D. (IN.)	(MM)	APPROX. LBS. WEIGHT PER 100 FT.	MAX. WORKING PRESS. (PSI)	STANDARD LENGTH (FT)
H177704-500R	1/4	6.3	1	1/2	12.7	11	325	500
H177604-500R	1/4	6.3	2	19/32	15.1	15	325	500
H177705-500R	5/16	7.9	1	5/8	15.9	17	325	500
H177706-500R	3/8	9.5	1	21/32	16.7	17	325	500
H177606-500R	3/8	9.5	2	23/32	18.3	20	325	500
H177708-500R	1/2	12.7	1	13/16	20.6	24	325	500
H177608-500R	1/2	12.7	2	7/8	22.2	31	325	500
H177610-500R	5/8	15.9	2	1	25.4	36	325	500
H177612-500R	3/4	19.1	2	1-5/32	29.4	44	325	500
H177616-300R	1	25.4	2	1-7/16	36.5	46	325	300
H177620-300R	1-1/4	31.8	2	1-3/4	44.5	65	325	300
H177624-300R	1-1/2	38.1	2	2	50.8	82	325	300

# Hose

## Low Working Pressure

 Refer to warnings and safety information on pages 3-4 and page 38.

### Boston Easy Couple



**Tube:** Vinyl Nitrile (RMA Class A)

**Reinforcement:** Fiber, 1 Braid

**Cover:** Neoprene MSHA approved (BK), Vinyl Nitrile (BU,GY,RD,YW,GN)

**Color:** Black (BK), Gray (GY), Blue (BU), Red (RD), Green (GN) & Yellow (YW)

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

**Type Of Branding:** Ink Print

**Working Pressure:** 250 PSI

**Type Of Coupling:** 100 'B' Series, Barbed Inserts, Quick Acting, Long Shank, or Push on Couplings (clamps not required). Clamps—Interlocking, Bolt, or Band.

#### Features:

- Neoprene cover  
Vinyl nitrile cover
- Nitrile tube (RMA Class A)
- Continuous permanent brand
- Six colors
- Light weight & flexible
- Easily coupled
- Braid reinforcement

#### Advantages:

- Abrasion, oil, and weather resistant
- Good oil resistance
- Easy identification
- Color code air systems
- Easy to handle
- Use push-on couplings; no need for clamps
- Better coupling retention for impulse applications

#### Markets:

- Assembly/Manufacturers
- Mining
- Construction Industry
- Plastic Molding

#### Applications:

- Pneumatic tools on production line; convey air, water, oils, etc.; transfer lubricated air to valves and cylinders; low pressure hydraulics
- Black hose cover only has been accepted by MSHA (2G-13C) for underground use in lube oil lines, pneumatic, and low pressure hydraulics

PRODUCT NUMBER	NOMINAL I.D. (IN.)	(MM)	BRAID	NOMINAL O.D. (IN.)	(MM)	APPROX. LBS. WEIGHT PER 100 FT.	MAX. WORKING PRESS. (PSI)	MIN. BEND RADIUS (IN.)	STANDARD LENGTH (FT)
H20104	1/4	6.3	1	1/2	12.7	8	250	3	50(GY,BU,RD,GN,YW,BK)
H20104-250R									250(GY,BU,RD,GN,YW,BK)
H20104-500R									500(GY,BU,RD,GN,YW,BK)
H20106	3/8	9.5	1	21/32	16.7	13	250	3	50(GY,BU,RD,GN,YW,BK)
H20106-250R									250(GY,BU,RD,GN,YW,BK)
H20106-500R									500(GY,BU,RD,GN,YW,BK)
H20108	1/2	12.7	1	3/4	19.1	15	250	5	50(GY,BU,RD,GN,YW,BK)
H20108-250R									250(GY,BU,RD,GN,YW,BK)
H20108-500R									500(GY,BU,RD,GN,YW,BK)
H20110-250R	5/8	15.9	1	15/16	23.8	20	250	6	250(GY,BU,RD,GN,YW,BK)
H20112-250R	3/4	19.1	1	1-1/16	27.0	26	250	7	250(GY,BU,RD,GN,YW,BK)

# Hose

## Low Working Pressure

 Refer to warnings and safety information on pages 3-4 and page 38.

### Boston Ultraforce



**Tube:** Modified Vinyl

**Reinforcement:** Fiber, 2 Spiral

**Cover:** Rubber Modified, Non-Marking Thermoplastic/Pinpricked

**Color:** Blue (BU) & Red (RD)  
(Other colors made on a Made To Order basis)

**Temperature Range:** -20°F To +180°F

**Type Of Branding:** Ink Print

**Working Pressure:** 125-350 PSI

**Type Of Coupling:** 'E' Series, 265 'P' Series, Barbed Inserts, Quick Acting, Short or Long Shank. Clamps—Bolt, Brass Collar, or Band.  
*Do not use internal expanded couplings.*

#### Features:

- Light weight
- Flexible
- Modified vinyl tube
- Rubber modified thermoplastic cover
- 95% one piece reels and coils
- Continuous permanent brand
- Factory tested to exceed minimum electrical resistivity of one megohm per inch at 1000 volts D.C.

#### Advantages:

- Easy to handle
- Easy to route
- Medium-high oil resistance
- Abrasion, age, ozone and moderate oil resistance
- Economical; less waste
- Easy identification
- Safety

#### Markets:

- Assembly/Manufacturers
- Light Chemical Processing
- Construction
- Food processing
- Metal Working
- Mining
- Oil Industry
- Paper/Pulp Processing
- Plywood/Chip Board Manufacturing
- Ship Building

#### Applications:

- Transfer air and water
- Air tools
- Water supply
- Robotics
- Water washdown

PRODUCT NUMBER	NOMINAL I.D.		SPIRAL	APPROX. NOMINAL O.D.		LBS. WEIGHT PER 100 FT.	MAX. WORKING PRESSURE (PSI)	MTO* MIN. ORDER QTY.	STANDARD REELS (FT)	MIN BEND RADIUS (IN.)
	(IN.)	(MM)		(IN.)	(MM)					
H26504	1/4	6.4	2	1/2	12.7	9	350		50(BU,RD)	3/4
H26504-600R									600*(BU,RD)	
H26506	3/8	9.5	2	41/64	16.3	12	350		50(BU,RD)	1-1/4
H26506-600R									600*(BU,RD)	
H26508	1/2	12.7	2	25/32	19.8	17	300—		50(BU,RD)	2
H26508-500R									500*(BU,RD)	
H26510-500R	5/8	15.9	2	7/8	22.2	20	250	5,000	500*(BU,RD)	
H26512	3/4	19.1	2	1-1/16	26.9	26	250		50(BU,RD)	2-1/2
H26512-500R									500*(BU,RD)	
H26514-200R	7/8	22.2	2	1-1/8	28.6	27	225	5,000	200**(BU,RD)	3-1/2
H26516	1	25.4	2	1-5/16	33.3	35	200—		50(BU,RD)	
H26516-200R									200**(BU,RD)	
H26520-100	1-1/4	31.8	2	1-11/16	42.9	61	150		100**(BU,RD)	
H26524-100	1-1/2	38.1	2	1-15/16	49.2	73	150		100**(BU,RD)	
H26532-100	2	50.8	2	2-1/2	63.5	105	125		100**(BU,RD)	

Stated working pressures are tested at 68°F. Working pressure decreases as temperature increases. See chart on page 14 showing the relationship between working pressure and temperature for reinforced PVC hose.

\*MTO—Made To Order

# Hose

## Low Working Pressure

 Refer to warnings and safety information on pages 3-4 and page 38.

### Boston Polyforce II



**Tube:** PVC

**Reinforcement:** Fiber, 2 Spiral

**Cover:** PVC/Pinpricked

**Color:** Red (RD), Blue (BU), Yellow (YW)

**Temperature Range:** -10°F To +150°F

**Type Of Branding:** Ink Print

**Working Pressure:** 125-250 PSI

**Type Of Coupling:** 'E' Series, 265 'P' Series, Barbed Inserts, Quick Acting or Long Shank. Clamps—Single Bolt, Brass Collar or Band.  
*Do not use internal expanded couplings.*

#### Features:

- Light weight
- Flexible
- PVC tube
- PVC cover
- 95% one piece reels and coils
- Continuous permanent brand
- Factory tested to exceed minimum electrical resistivity of one megohm per inch at 1000 volts D.C.

#### Advantages:

- Easy to handle
- Easy to route
- Moderate oil resistance
- Abrasion, age, ozone and moderate oil resistance
- Economical; less waste
- Easy identification

#### Markets:

- Assembly/Manufacturers
- Light Chemical Processing
- Construction
- Food processing
- Metal Working
- Mining
- Oil Industry
- Paper/Pulp Processing
- Plywood/Chip Board Manufacturing
- Ship Building

#### Applications:

- Transfer air and water
- Air tools
- Water supply
- Robotics
- Water washdown
- Lubricated air

PRODUCT NUMBER	NOMINAL I.D. (IN.)	(MM)	SPIRAL	NOMINAL O.D. (IN.)	(MM)	APPROX. LBS. WEIGHT PER 100 FT.	MAX. WORKING PRESS. (PSI)	MTO* MIN. ORDER QTY.	STANDARD LENGTH (FT)
H27503-600R*	3/16	4.8	2	27/64	10.7	6	250	6,000	600*(RD)
H27504	1/4	6.4	2	1/2	12.7	7	250	—	50(RD,BU,YW)
H27504-600R									600*(RD,BU,YW)
H27505-600R*	5/16	7.9	2	33/64	13.1	8	250	6,000	600*(RD)
H27506	3/8	9.5	2	5/8	15.9	12	250	—	50(RD,BU,YW)
H27506-600R									600*(RD,BU,YW)
H27508	1/2	12.7	2	3/4	19.1	15	250	—	50(RD,BU,YW)
H27508-500R									500*(RD,BU,YW)
H27510-500R	5/8	15.9	2	57/64	22.6	21	250	—	500*(RD)
H27512	3/4	19.1	2	1-1/32	26.2	23	250	—	50(RD)
H27512-500R									500*(RD)
H27516	1	25.4	2	1-5/16	33.3	34	200	—	50(RD)
H27516-200R									200**(RD)
H27520-100	1-1/4	31.8	2	1-11/16	42.9	52	200	—	100**(RD)
H27524-100	1-1/2	38.1	2	1-15/16	49.2	61	200	—	100**(RD)
H27532-100	2	50.9	2	2-1/2	63.5	91	125	—	100*(RD)

*Stated working pressures are tested at 68°F. Working pressure decreases as temperature increases. See chart on page 14 showing the relationship between working pressure and temperature for reinforced PVC hose.*

\*MTO—Made To Order

# Hose

## Low Working Pressure

 Refer to warnings and safety information on pages 3-4 and page 38.

### Boston Shock-Safe



**Tube:** Nitrile (non-conductive)  
**Reinforcement:** Fiber, 2 Braid  
**Cover:** Vinyl Nitrile (non-conductive)  
**Color:** Red  
**Temperature Range:** -40°F To +180°F  
**Type Of Branding:** Ink Print  
**Working Pressure:** 275 PSI  
**Type Of Coupling:** 'U' Series, Barbed Inserts, Quick Acting, Long Shank, or Steel Nipple. Clamps—Brass Collar, Interlocking, Single Bolt, Band or Wire.

#### Features:

- Vinyl nitrile cover
- Nitrile tube
- Continuous permanent brand
- Non-conductive
- Each reel factory tested to exceed minimum electrical resistivity of one megaohm per inch at 1000 volts D.C.

#### Advantages:

- Abrasion, oil, and weather resistant
- Medium oil resistance
- Easy identification
- Suitable for use around electrical equipment
- Safety

#### Markets:

- Metal Working
- Utility Company
- Aluminum Industry

#### Applications:

- Use as general purpose air/water hose where hoses must be non-conductive

PRODUCT NUMBER	NOMINAL I.D. (IN.)	(MM)	BRAID	NOMINAL O.D. (IN.)	(MM)	APPROX. LBS. WEIGHT PER 100 FT.	MAX. WORKING PRESS. (PSI)	STANDARD REELS (FT)
H994904-500R	1/4	6.3	2	19/32	15.1	15	275	500
H994906-500R	3/8	9.5	2	23/32	18.3	19	275	500
H994908-500R	1/2	12.7	2	7/8	22.2	27	275	500
H994912-500R	3/4	19.1	2	1-5/32	29.4	41	275	500
H994916-300R	1	25.4	2	1-7/16	36.5	64	275	300

# Hose

## Low Working Pressure

 Refer to warnings and safety information on pages 3-4 and page 38.

### Boston Marathoner



**Tube:** Blended Nitrile

**Reinforcement:** Fiber, 2 or 4 Spiral

**Cover:** Neoprene/Pinpricked

**Color:** Red (RD), Green (GN), Yellow (YW), Black (BK)

**Temperature Range:** -40°F To +180°F

**Type Of Branding:** Ink Print

**Working Pressure:** 200-300 PSI

**Type Of Coupling:** 'U' Series, Barbed Inserts, Quick Acting or Long Shank. Clamps—Bolt, Band or Wire.

#### Features:

- Neoprene cover
- Blended nitrile tube
- Continuous permanent brand
- Longer lengths

#### Advantages:

- Abrasion, oil, and water resistant
- Medium oil resistant
- Easy identification
- Economical; less waste

#### Markets:

- Assembly/Manufacturers
- Lumber/Woodworking
- Plywood Mfg.
- Paper/Pulp Processing
- Metal Working

#### Applications:

- Pneumatic tools on production line
- Transfer air and water

PRODUCT NUMBER	NOMINAL I.D. (IN.)	(MM)	SPIRAL	NOMINAL O.D. (IN.)	(MM)	APPROX. LBS. WEIGHT PER 100 FT.	MAX. WORKING PRESS. (PSI)	STANDARD REELS (FT)
H198104-600R	1/4	6.3	2	1/2	12.7	10	200	600(RD)
H198204-600R	1/4	6.3	4	5/8	15.9	13	300	600(RD)
H198105-600R	5/16	7.9	2	5/8	15.9	12	200	600(RD)
H198205-600R	5/16	7.9	4	11/16	17.3	13	300	600(RD)
H198106-600R	3/8	9.5	2	11/16	17.3	15	200	600(RD)
H198206-600R	3/8	9.5	4	3/4	18.3	18	300	600(RD)
H198108-600R	1/2	12.7	2	13/16	20.6	19	200	600(RD)
H198208-600R	1/2	12.7	4	7/8	25.4	23	300	600(RD)
H198210-600R	5/8	15.9	4	1-1/32	26.2	25	300	600(RD)
H198112-250	3/4	19.1	4	1-3/16	30.2	37	225	5-50's(RD)
H198112-600R	3/4	19.1	4	1-3/16	30.2	37	225	600(RD)
H198212-250	3/4	19.1	4	1-3/16	30.2	37	300	5-50's(RD)
H198212-600R	3/4	19.1	4	1-3/16	30.2	37	300	600(RD)
H198216-450R	1	25.4	4	1-7/16	36.5	64	200	450(RD)

# Hose

## Low Working Pressure

 Refer to warnings and safety information on pages 3-4 and page 38.

### Boston Performer II



**Tube:** Nitrile

**Reinforcement:** Fiber, 1 or 2 Braid

**Cover:** Vinyl Nitrile

**Color:** Red

**Temperature Range:** -40°F To +180°F

**Type Of Branding:** Ink Print

**Working Pressure:** 225-300 PSI

**Type Of Coupling:** 'U' Series, 430 'U', Barbed Inserts, Quick Acting, Long Shank, Series or Steel Nipple. Clamps—Interlocking, Bolt, Band or Wire.

#### Features:

- Vinyl nitrile cover
- Nitrile tube (RMA Class A)
- Continuous permanent brand
- Multi-purpose hose
- High working pressure
- Braided reinforcement

#### Advantages:

- Abrasion, oil, and weather resistant
- High oil resistance
- Easy identification
- For many applications
- Better coupling retention for impulse applications

#### Markets:

- Assembly/Manufacturers
- Construction Industry
- Forest Industry
- Metal Working
- Mining
- Ship Building
- Plastic Molding

#### Applications:

- Pneumatic tools on production line
- Provide power to air operated equipment
- Convey air and water

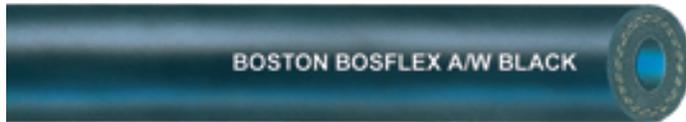
PRODUCT NUMBER	NOMINAL I.D. (IN.) (MM)		BRAID	NOMINAL O.D. (IN.) (MM)		APPROX. LBS. WEIGHT PER 100 FT.	MAX. WORKING PRESS. (PSI)	STANDARD REELS (FT)
H11604-550R	1/4	6.3	1	1/2	12.7	10	225	550
H11504	1/4	6.3	2	19/32	15.1	15	300	50
H11504-550R								550
H11605-550R	5/16	7.9	1	5/8	15.9	14	225	550
H11505	5/16	7.9	2	21/32	15.9	14	300	50
H11505-550R								550
H11606-550R	3/8	9.5	1	21/32	16.7	15	225	550
H11506	3/8	9.5	2	3/32	18.3	19	300	50
H11506-550R								550
H11608-550R	1/2	12.7	1	13/16	20.6	21	225	550
H11508	1/2	12.7	2	7/8	22.2	27	300	50
H11508-550R								550
H11512	3/4	19.1	2	1-5/32	29.4	41	300	50
H11512-550R								550
H11516	1	25.4	2	1-7/16	36.5	46	250	50
H11516-300R								300
H11520	1-1/4	31.8	2	1-3/4	44.5	65	225	50
H11520-300R								300
H11524	1-1/2	38.1	2	2	50.8	82	225	50
H11524-300R								300

# Hose

## General Air & Water

**⚠** Refer to warnings and safety information on pages 3-4 and page 38.

### Boston Bosflex A/W



**Tube:** EPDM

**Reinforcement:** Fiber, 2 or 4 Spiral, or 2 Braid

**Cover:** EPDM/Pinpricked

**Color:** Red (RD), Black (BK)

**Temperature Range:** -40°F To +180°F

**Type Of Branding:** Ink Print

**Working Pressure:** 200-300 PSI

**Type Of Coupling:** 'U' Series, Barbed Inserts, Quick Acting, Short or Long Shank. Clamps—Interlocking, Bolt, Band or Wire.

#### Features:

- EPDM cover
- EPDM tube
- Continuous permanent brand
- Longer lengths

#### Advantages:

- Abrasion, age, and water resistant
- Heat resistant
- Easy identification
- Economical; less waste

#### Markets:

- Agriculture
- Assembly/Manufacturers
- Construction
- Food Industry
- Metal Working
- Mining
- Oil Industry
- Paper/Pulp
- Ship Building

#### Applications:

- Spraying and conveying water based liquid fertilizers and pesticides
- Transfer air and water

PRODUCT NUMBER	NOMINAL I.D. (IN.)	(MM)	REINF.	NOMINAL O.D. (IN.)	(MM)	APPROX. LBS. WEIGHT PER 100 FT.	MAX. WORKING PRESS. (PSI)	MTO* MIN. ORDER QTY.	STANDARD REELS (FT)
H10604	1/4	6.3	2 Sp	1/2	12.7	10	200	—	50(BK,RD)
H10604-600R									600(BK,RD)
H10504	1/4	6.3	4 Sp	5/8	15.9	14	300	—	50(RD)
H10504-600R									600 (RD)
H10605-600R	5/16	7.9	2 Sp	19/32	15.1	13	200	10,000	600(BK)
H10505-600R	5/16	7.9	4 Sp	11/16	17.5	14	300	—	600 (RD)
H10606	3/8	9.5	2 Sp	11/16	17.5	15	200	—	50(BK,RD)
H10606-600R									600(BK,RD)
H10506	3/8	9.5	4 Sp	3/4	19.1	18	300	—	50(RD)
H10506-600R									600 (RD)
H10608	1/2	12.7	2 Sp	13/16	20.6	19	200	—	50(BK,RD)
H10608-600R									600(BK,RD)
H10508	1/2	12.7	4 Sp	7/8	22.2	23	300	—	50(RD)
H10508-600R									600(RD)
H10610-600R	5/8	15.9	2 Sp	31/32	24.6	28	200	—	600(BK)
H10510-600R	5/8	15.9	4 Sp	1-1/32	26.2	30	300	—	600(RD)
H10612-250	3/4	19.1	4 Sp	1-3/16	30.2	40	300	—	5-50'S(RD)
H10612-600R									600 (RD)
H10512	3/4	19.1	4 Sp	1-3/16	30.2	37	225	—	50(BK,RD)
H10512-250									5-50's(BK,RD)
H10512-600R									600(BK,RD)
H10516	1	25.4	4 Sp	1-7/16	36.5	60	200	—	50(BK,RD)
H10516-400R									400(RD)
H10516-450R									400(BK)
H10520-300R	1-1/4	31.8	2 Br	1-3/4	44.5	65	200	—	300(BK)
H10524-300R	1-1/2	38.1	2 Br	2	50.8	82	200	—	300(BK)

\*MTO—Made To Order

# Hose

## General Air & Water

 Refer to warnings and safety information on pages 3-4 and page 38.

### Boston Industrial A/W



**Tube:** EPDM

**Reinforcement:** Fiber, 2 Braid

**Cover:** EPDM

**Color:** Red

**Temperature Range:** -40°F To +180°F

**Type Of Branding:** Ink Print

**Working Pressure:** 250-275 PSI

**Type Of Coupling:** 'U' Series, 430 'U', Barbed Inserts, Quick Acting, Long Shank, Series or Steel Nipple. Clamps—Interlocking, Bolt, Band or Wire.

#### Features:

- EPDM cover
- EPDM tube
- Braided reinforcement
- Continuous permanent brand
- Wide range of sizes

#### Advantages:

- Age, heat, and ozone resistant
- Heat resistant (limited oil resistance)
- Excellent coupling retention for impulse applications
- Easy identification
- For many applications

#### Markets:

- Agriculture
- Assembly/Manufacturers
- Construction
- Food Industry
- Metal Working
- Mining
- Oil Industry
- Paper/Pulp Industry
- Ship Building

#### Applications:

- Spraying and conveying water based liquid fertilizers and pesticides
- Transfer air and water; pneumatic tools

PRODUCT NUMBER	NOMINAL I.D. (IN.)	(MM)	BRAID	NOMINAL O.D. (IN.)	(MM)	APPROX. LBS. WEIGHT PER 100 FT.	MAX. WORKING PRESS. (PSI)	STANDARD REELS (FT)
H181204-500R	1/4	6.3	2	19/32	15.1	16	275	500
H181205-500R	5/16	7.9	2	21/32	16.7	17	275	500
H181206-500R	3/8	9.5	2	23/32	18.3	19	275	500
H181208-500R	1/2	12.7	2	7/8	22.2	27	250	500
H181210-500R	5/8	15.9	2	1	25.4	36	250	500
H181212-500R	3/4	19.1	2	1-5/32	29.4	41	250	500
H181216-300R	1	25.4	2	1-7/16	36.5	46	250	300
H181220-300R	1-1/4	31.8	2	1-3/4	44.5	65	250	300
H181224-300R	1-1/2	38.1	2	2	50.8	82	250	300