

Smart-Hose[®] TECHNOLOGIES



HIGH PRESSURE Acetylene HOSE ASSEMBLIES

Smart-Hose[®] Safety System

High Pressure Acetylene Hose Assemblies:

Integrated valves will instantly stop product flow if a **catastrophic** failure occurs.

When a high pressure acetylene hose assembly fails, the hose can whip violently resulting in property damage, personnel injury, and even death. The Smart-Hose[®] Safety System can protect your facility and workforce from the potentially devastating consequences associated with hose failures.

The Smart-Hose[®] Safety System is designed to work within high pressure industrial hose assemblies with a PTFE tube typically used for acetylene applications.

No human intervention is needed to activate.

Features and Benefits

- ✓ Tested under water with CDA or nitrogen to working and test pressure.
- ✓ All high pressure hose assemblies are oxygen cleaned to industry standards.

Optional Apparatus

- ✓ Armor ✓ CGA connections
- ✓ Scuff Guard ... **and more!**

*No special
installation
required!*

HOSE DATA

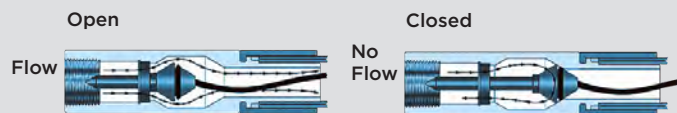


Double Braid

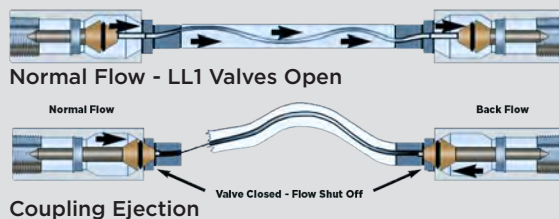
- ... **COVER:** 304 Stainless Steel - Double Braid
- ... **DESIGN:** High pressure anti-static smooth bore PTFE tube with high tensile 304 stainless steel braid
- ... **TUBE:** Medium wall anti-static smooth bore PTFE tube.
- ... **ACCESSORIES:** Safety loops; External Cable; Bend Restrictors; CGA; various ends available

LL1

Diameters: ✓ ¼" ✓ ½"



• Recommended for gaseous flow and liquid applications.



***Chart shows sample configurations. Fully customizable solutions are available!**

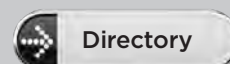
Hose ID	Working Pressure PSI	Burst Pressure PSI	Smart-Hose End Fittings	End Fitting Weight (lb.)	Smart-Hose Part Number
¼"	3500	14000	Brass FNPT / Acetylene Service	0.40	P02-002-16-XXXX-0-00-00
¼"	4500	18000	Bronze FNPT / Acetylene Service	0.40	P04-002-29-XXXX-0-00-00
½"	4000	16000	Brass FNPT / Acetylene Service	0.80	P03-004-16-XXXX-0-00-00

NOTE: Serial numbered and shipped with a test certificate and operating booklet. Additional options available upon request.

NAHAD
HOSE SAFETY INSTITUTE
MEMBER

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2026





HIGH PRESSURE **Argon** HOSE ASSEMBLIES

Features and Benefits

- ✓ Tested under water with CDA or nitrogen to working and test pressure.
- ✓ All high pressure hose assemblies are oxygen cleaned to industry standards.

Optional Apparatus

- ✓ CGA connections ✓ Scuff Guard
- ... **and more!**

HOSE DATA



Double Braid

- ... **COVER:** SS Armor available on request
- ... **REINFORCEMENT:** Double Braid 304 SS
- ... **TUBE:** PTFE Tube; True ID; Post Sintered PTFE Tube
- ... **ACCESSORIES:** Safety loops; External Cable; Bend Restrictors; CGA; various ends available

Smart-Hose® Safety System

High Pressure Argon Hose Assemblies:

Integrated valves will instantly stop product flow if a **catastrophic** failure occurs.

When a high pressure cylinder filling hose assembly fails, the hose can whip violently resulting in property damage, personnel injury, and even death. The Smart-Hose® Safety System can protect your facility and workforce from the potentially devastating consequences associated with high pressure hose failures.

The Smart-Hose® High Pressure Argon hose assembly is designed to work with a high pressure PTFE hose and utilizes an internal cable that is designed specifically for high pressure argon gas applications.

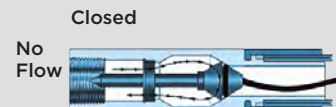
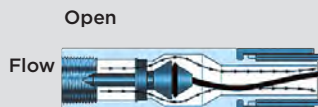
No human intervention is needed to activate.

*No special
installation
required!*

LL1

Diameters:

- ✓ ¼" ✓ ½"



***Chart shows sample configurations. Fully customizable solutions are available!**

Hose ID	Working Pressure PSI	Burst Pressure PSI	Smart-Hose End Fittings	End Fitting Weight (lb.)	Smart-Hose Part Number
¼"	3500	14000	Brass FNPT 316-SS FNPT	0.40	P02-002-16-XXXX-0-00-00 P02-002-20-XXXX-0-00-00
¾"	4500	18000	Bronze FNPT 316-SS FNPT	0.40	P04-002-12-XXXX-0-00-00 P04-002-20-XXXX-0-00-00
½"	4000	16000	Brass FNPT 316-SS FNPT	0.80	P03-004-17-XXXX-0-00-00 P03-004-11-XXXX-0-00-00

NOTE: Serial numbered and shipped with a test certificate and operating booklet. Additional options available upon request.

