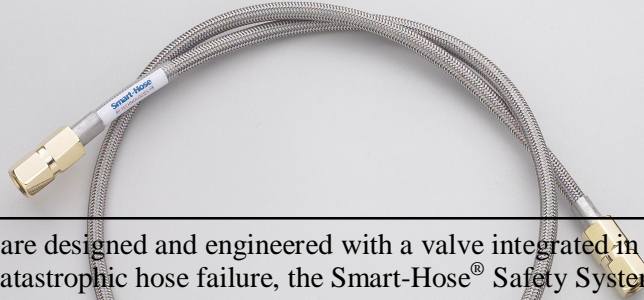


# High Pressure Acetylene Hose Assemblies



Smart-Hose® assemblies are designed and engineered with a valve integrated in each end fitting. If the hose assembly experiences a catastrophic hose failure, the Smart-Hose® Safety System is designed to instantaneously shut off the flow in both directions. Designed as a passive safety device, the Smart-Hose® Safety System needs no human intervention to activate.

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 personnel from the potential devastating consequences associated with high pressure hose failures.

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

- Each hose is tested under water with dry air or nitrogen to working and test pressure
- Each hose is serial numbered
- Each hose is shipped with a Test Certificate and Operating Booklet
- All high pressure hose assemblies are Oxygen cleaned to industry standards

**Normal Flow—LL1 Valves Open**



**Coupling Ejection - LL1 Valves Closed**



## Hose Data

<b>Cover</b>	SS Armor available on request
<b>Reinforcement</b>	Double Braid 304 SS
<b>Tube</b>	Teflon PTFE Tube, True ID and Post Sintered PTFE Tube
<b>Maintenance</b>	See Smart-Hose® Proper Use, Care, and Maintenance Booklet
<b>Accessories</b>	Safety Loops, External Cable, Bend Restrictors, CGA, various ends available

Hose ID (in.)	Working Pressure PSI	Burst Pressure PSI	Smart-Hose End Fittings	End Fitting Weight (lb.) each	Part Number
1/46	3500	14000	Brass FNPT / Acetylene Service	0.40	P02-002-16-XXXX*
1/46	4500	18000	Bronze FNPT / Acetylene Service	0.40	P04-002-16-XXXX*
1/26	4000	16000	Brass FNPT / Acetylene Service	0.80	P03-004-16-XXXX*

\* XXXX Represents the overall length of the hose assembly in inches

