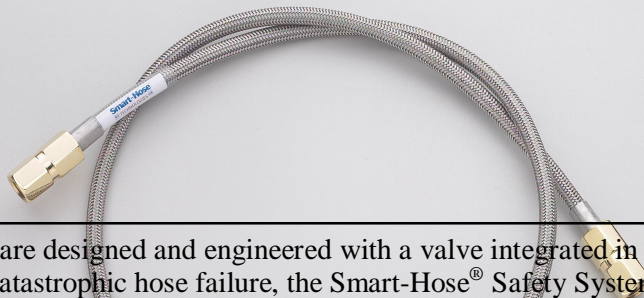


High Pressure Nitrogen Hose Assemblies



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 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 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 nitrogen, oxygen, argon and all inert gas 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

Cover	SS Armor available on request
Reinforcement	Double Braid 304 SS
Tube	PTFE Tube, True ID and Post Sintered PTFE Tube
Maintenance	See Smart-Hose® Proper Use, Care, and Maintenance Booklet
Accessories	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
1/4ø	3500	14000	Brass FNPT 316-SS FNPT	0.40	P02-002-17-XXXX* P02-002-11-XXXX*
1/4ø	4500	18000	Bronze FNPT 316-SS FNPT	0.40	P04-002-12-XXXX* P04-002-11-XXXX*
3/8ø	4000	16000	Brass FNPT	0.60	P03-003-17-XXXX*
1/2ø	4000	16000	Brass FNPT 316-SS FNPT	0.80	P03-004-17-XXXX* P03-004-11-XXXX*

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

