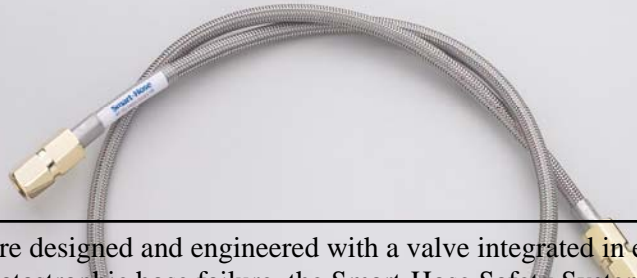


High Pressure Nitrogen Hose Assemblies



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	Teflon 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 Inside Diameter	Working Pressure PSI	Burst Pressure PSI	End Fitting	Smart-Hose Part #
1/4"	3500	14000	Brass FNPT	P02-002-17-0000
1/4"	3500	14000	316-SS FNPT	P02-002-11-0000
1/4"	4500	18000	Bronze FNPT	P04-002-12-0000
1/2"	4000	16000	Brass FNPT	P03-003-17-0000
1/2"	4000	16000	316-SS FNPT	P03-004-11-0000
3/4"	4000	16000	316-SS FNPT	P03-006-11-0000

