PTFE Hose - PTFE-UHP-SILVERSNAKE®

Silversnake® - PTFE Ultra High Pressure Gas Cylinder Hose

Part No.: PTFE-UHP-SILVERSNAKE
Construction: Smoothbore
Profile: High Flexibility / High Pressure
Tube Available: PTFE Virgin / Anti-static Inner Tube
Cover: 2 Aramid braids and 1 high tensile 304 maypole wound stainless steel braid
Whip Restraints: Stainless steel anti whip restraint wire safety system
Size Available: 1/4''
Temperature: -60°C +260°C
Sintered/Permeation: Slow Sintered (medium level of permeation). 1/4, 3/8"and 1/2" are available in Post Sintered on request (example PTFE-UHP-xx-PS)

	Low | Med | High
Flexibility	○ ○ ●
Cycle Life	○ ○ ●
Pressure Rating	○ ○ ●
Chemical Resistance	○ ○ ●
Wall Thickness	○ ○ ●

Construction

Use: The PTFE Ultra High Pressure Gas Cylinder Hose is the most advanced high-pressure hose on the market. It outperforms expectations with its exceptional routability, tight bend radius, and reduced outer diameter, making it ideal for high-pressure gas and fluid applications.

Standards:

- USP Class VI compliance PTFE resin used in tubing
- ISO 1402 - Rubber and plastic hose and assemblies - hydrostatic testing
- ISO 14113 - Gas and welding equipment - Rubber and Plastic Hoses assembled for compressed and liquefied up to a maximum design pressure of 450 bar.
- ISO 16964 - Gas cylinders - Flexible hoses assemblies - Specification and testing
- CGA E-9:2004 - Standard of flexible PTFE lined pigtails for compressed gas services.

Applications: Oxygen Cylinder, Argon Cylinder, Nitrogen Cylinder, Hydrogen Cylinder, Acetylene Cylinder

Standard Lengths: 300mm to 3600mm lengths available

Specifications

Temperature Correction Factor													
-60	-40	-20	0	20	50	100	120	150	180	200	220	250	260
1.0	1.0	1.0	1.0	1.0	1.0	1.0	0.93	0.93	0.85	0.85	0.77	0.77	0.70

Part Number	Size	Internal Diameter	Outside Diameter	Min. Bend Radius	Working Pressure		Burst Pressure	
	inch	mm	mm	mm	kPa	bar	kPa	bar
PTFE-UHP-06	1/4"	6.20	12.30	38	24000	240	190000	1900