

PTFE-lined, stainless steel braided hose

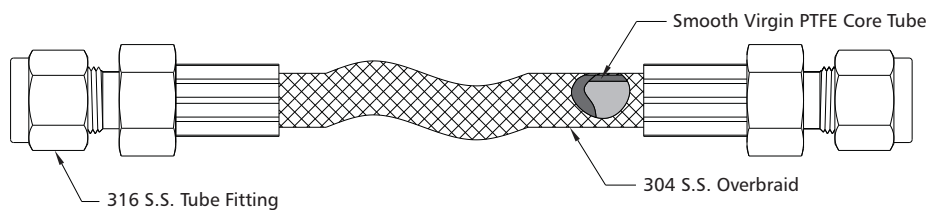
PH1 Series



- ❖ Maximum working pressure up to 3000 psig (206 bar)
- ❖ Working temperature from -65°F to 400°F (-54°C to 204°C)
- ❖ PTFE core tube and woven 304 stainless steel wire mesh
- ❖ Hose sizes from 3/16 to 7/8 in.

Features

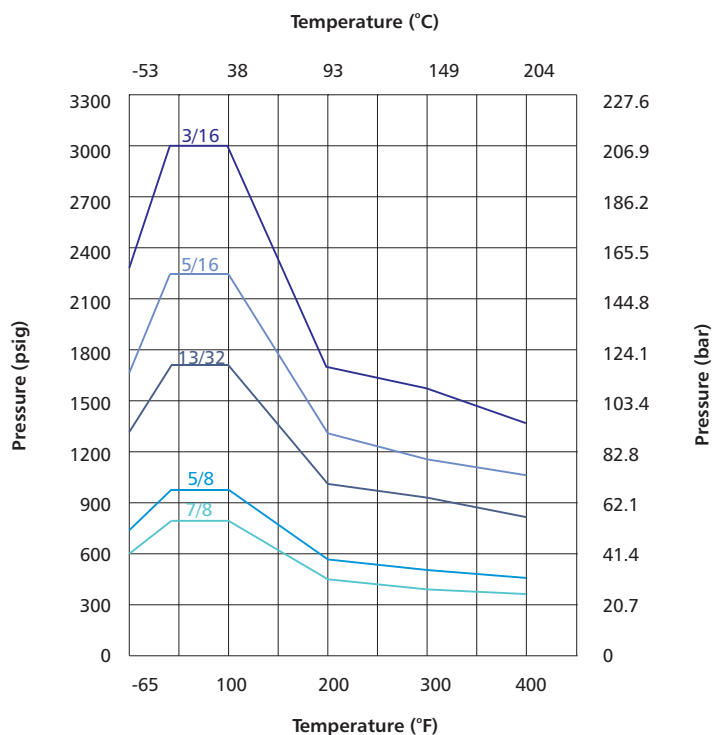
- ❖ Maximum working pressure up to 3000 psig (206 bar)
- ❖ Working temperature from -65°F to 400°F (-54°C to 204°C)
- ❖ PTFE core tube and woven 304 stainless steel wire mesh
- ❖ Hose sizes from 3/16 to 7/8 in.
- ❖ Standard and custom-length assemblies



Hose Technical Data

Hose Size in. (mm)	Min. Bend Radius		Temperature Range °F (°C)	Working Pressure at 70°F (20°C) psig (bar)	Min. Burst Pressure at 70°F (20°C) psig (bar)
	Static in. (mm)	Dynamic in. (mm)			
3/16 (4.8)	2.0 (50.8)	2.5 (63.5)	-65 to 400 (-53 to 204)	3000 (207)	12000 (828)
5/16 (7.8)	4.0 (102.0)	5.5 (140.0)		2250 (155)	9000 (620)
13/32 (10.3)	5.0 (127.0)	6.5 (165.0)		1750 (121)	7000 (484)
5/8 (15.9)	6.5 (165.0)	8.0 (203.0)		1000 (69)	4000 (276)
7/8 (22.2)	9.5 (241.0)	12.0 (305.0)		800 (55)	3200 (220)

Pressure vs. Temperature



Testing

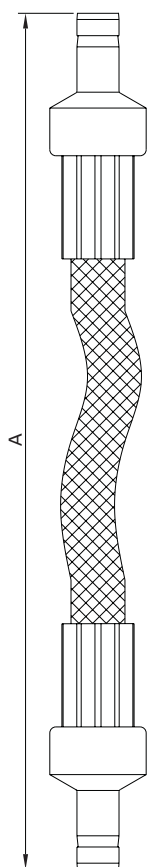
Every Hikelok PTFE-lined hose assembly is factory tested with pure water at 1.5 times the maximum working pressure.

Cleaning and Packaging

Hikelok PTFE-lined hose components are cleaned in accordance with Hikelok standard cleaning (CP-01) for general industrial procedures.

Shorter hoses are packed in cartons with suitable protective material, longer hoses are coiled, bagged and boxed or crated.

PTFE-lined Hose Standard Assemblies



Tube Adapters

Tube OD in.	Nominal Hose Size	Min. ID in.(mm)	Max. OD in.(mm)	A in. (mm)	Ordering Number
1/4	3/16	0.16 (4.1)	0.54 (13.7)	6.0 (153)	PH1-4-FT4-F6
				12.0 (305)	PH1-4-FT4-F12
				18.0 (458)	PH1-4-FT4-F18
				24.0 (610)	PH1-4-FT4-F24
				36.0 (915)	PH1-4-FT4-F36
				48.0 (1220)	PH1-4-FT4-F48
				60.0 (1530)	PH1-4-FT4-F60
				72.0 (1829)	PH1-4-FT4-F72
				120.0 (3048)	PH1-4-FT4-F120
3/8	5/16	0.27 (6.9)	0.73 (18.5)	12.0 (305)	PH1-6-FT6-F12
				18.0 (458)	PH1-6-FT6-F18
				24.0 (610)	PH1-6-FT6-F24
				36.0 (915)	PH1-6-FT6-F36
				48.0 (1220)	PH1-6-FT6-F48
				60.0 (1530)	PH1-6-FT6-F60
				72.0 (1829)	PH1-6-FT6-F72
				96.0 (2439)	PH1-6-FT6-F96
				120.0 (3048)	PH1-6-FT6-F120
1/2	13/32	0.36 (9.1)	0.86 (21.8)	12.0 (305)	PH1-8-FT8-F12
				24.0 (610)	PH1-8-FT8-F24
				36.0 (915)	PH1-8-FT8-F36
				48.0 (1220)	PH1-8-FT8-F48
				60.0 (1530)	PH1-8-FT8-F60
				72.0 (1829)	PH1-8-FT8-F72
3/4	5/8	0.53 (13.5)	1.04 (26.4)	24.0 (610)	PH1-12-FT12-F24
				36.0 (915)	PH1-12-FT12-F36
1	7/8	0.80 (20.3)	1.36 (34.5)	36.0 (915)	PH1-16-FT16-F36
				48.0 (1220)	PH1-16-FT16-F48
mm	—	mm	mm	—	—
6	3/16	0.16 (4.1)	0.54 (13.7)	12.0 (305)	PH1-4-MT6-F12
				24.0 (610)	PH1-4-MT6-F24
				36.0 (915)	PH1-4-MT6-F36
12	13/32	0.36 (9.1)	0.86 (21.8)	24.0 (610)	PH1-8-MT12-F24
				36.0 (915)	PH1-8-MT12-F36

How to Order

PH1 — 6 — M10 — NPT4 — F36 — 316

Hose Series	Nominal Hose Size	End Connection 1 Type	End Connection 1 Size	End Connection 2 Type and Size	Overall Length	End Connection Material
PH1	4 3/16"	FNPT Female NPT	4 1/4in.	Same as End 1	F** ** in	316 316 S.S.
	6 5/16"	NPT Male NPT	6 3/8in. or 6 mm		M** ** mm	304 304 S.S.
	8 13/32"	FBT Female BSPT	8 1/2in. or 8 mm			
	12 5/8"	MBT Male BSPT	10 5/8 in. or 10 mm			
	16 7/8"	MS Male ISO	12 3/4in. or 12 mm			
		F Fractional Tube Fitting	14 M14 x 1.5			
		M Metric Tube Fitting	16 1 in. or 16 mm			
		FT Fractional Tube Adapter	18 M18 x 1.5			
		MT Metric Tube Adapter	20 M20 x 1.5			
		SAN Swivel Female SAE 37°(JIC)				
		SFMS Female ISO Swivel				
		SBGS Female BSPP Swivel				
		RGFS Rotatable Male GFS Metal				
		FGFS Female GFS Metal				