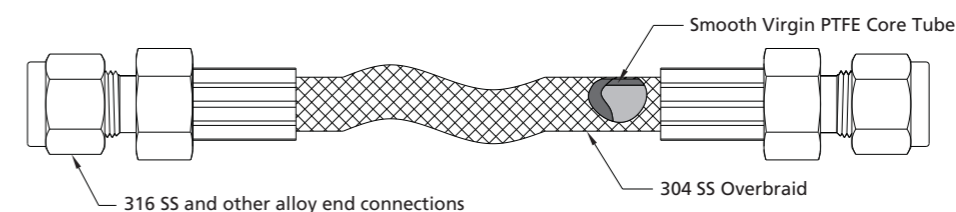


PTFE-lined, Stainless Steel Braided Hoses

PS Series

Features

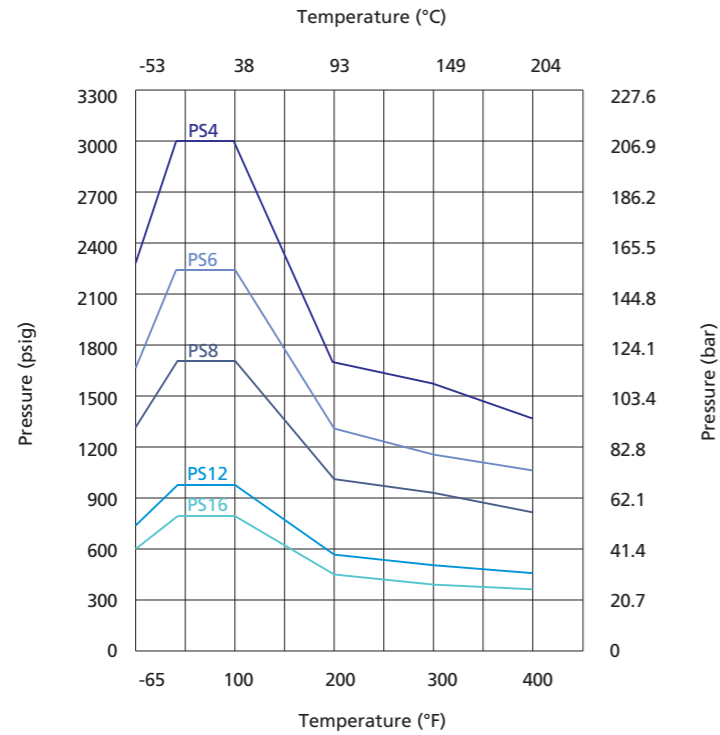
- Lightweight construction for easy handling and installation
- Core tube material: smooth virgin PTFE
- Overbraid material: 304 stainless steel
- Maximum working pressure: 3000 psig (207 bar)
- Hose size: 1/4" to 1"
- Working temperature: -65°F to 450°F (-53°C to 230°C)
- Standard and custom-length available



Hose Technical Data

Nominal Hose Size	Inside Diameter	Min. Inside Bend Radius		Temperature Range	Working Pressure at 70°F (20°C)	Burst Pressure at 70°F (20°C)
		Static	Dynamic			
in. (mm)	in. (mm)	in. (mm)	in. (mm)	°F (°C)	psig (bar)	psig (bar)
1/4 (6.4)	0.19 (4.8)	1.5 (38.1)	2.0 (50.8)	-65 to 450 (-53 to 230)	3000 (206)	12000 (826)
3/8 (9.5)	0.31 (7.9)	3.5 (88.9)	5.0 (127)		2500 (172)	10000 (689)
1/2 (12.7)	0.41 (10.3)	4.5 (114)	6.0 (152)		2000 (137)	8000 (551)
3/4 (19.0)	0.63 (15.9)	6.0 (152)	7.5 (190)		1500 (103)	6000 (413)
1 (25.4)	0.88 (22.2)	9.0 (229)	11.3 (287)		1000 (68)	4000 (275)

Pressure vs. Temperature



Testing

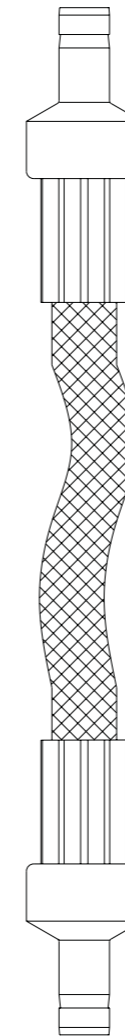
Every FITOK PTFE-lined hose assembly is factory tested with pure water at 1.5 times the maximum working pressure.

Cleaning and Packaging

FITOK PTFE-lined hose components are cleaned in accordance with FITOK standard cleaning (FC-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

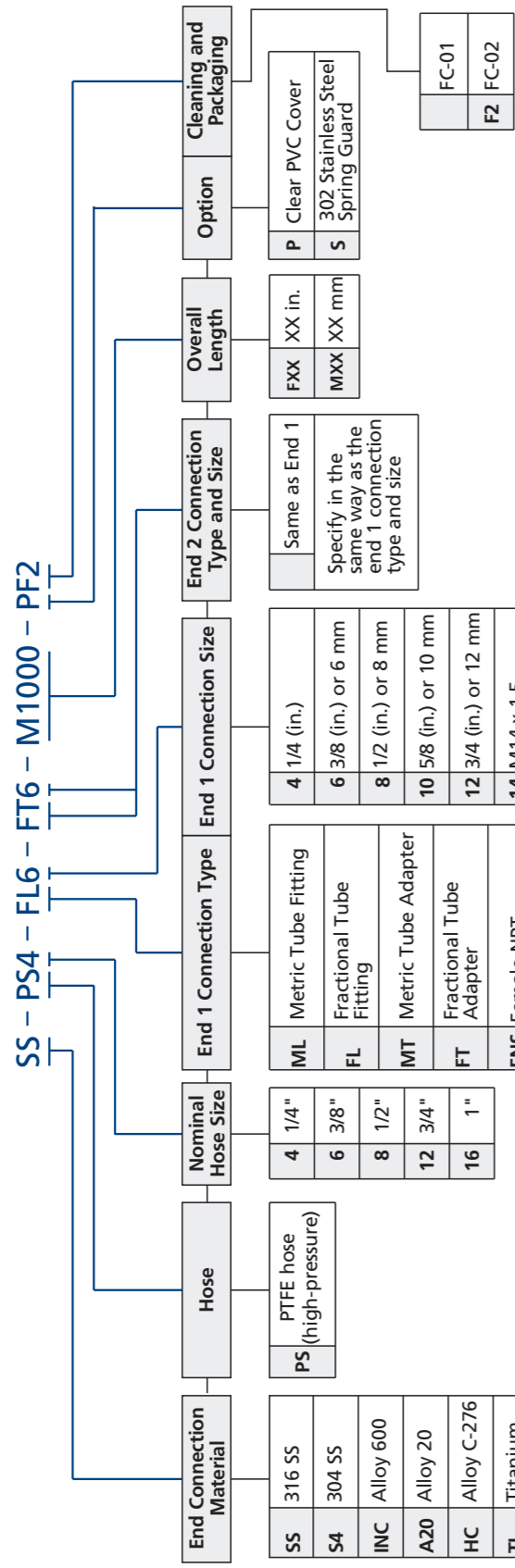


Tube Adapters

Nominal Hose Size	Tube Adapter Size	Overall Length	Ordering Number	Minimum Inside Diameter	Maximum Outside Diameter
in.	in.	in.(mm)		in.(mm)	in.(mm)
1/4	1/4	6.0 (153)	SS-PS4-FT4-F6	0.16 (4.1)	0.54 (13.7)
		12.0 (305)	SS-PS4-FT4-F12		
		18.0 (458)	SS-PS4-FT4-F18		
		24.0 (610)	SS-PS4-FT4-F24		
		36.0 (915)	SS-PS4-FT4-F36		
		48.0 (1220)	SS-PS4-FT4-F48		
		60.0 (1530)	SS-PS4-FT4-F60		
		72.0 (1829)	SS-PS4-FT4-F72		
3/8	3/8	12.0 (305)	SS-PS6-FT6-F12	0.27 (6.9)	0.73 (18.5)
		18.0 (458)	SS-PS6-FT6-F18		
		24.0 (610)	SS-PS6-FT6-F24		
		36.0 (915)	SS-PS6-FT6-F36		
		48.0 (1220)	SS-PS6-FT6-F48		
		60.0 (1530)	SS-PS6-FT6-F60		
		72.0 (1829)	SS-PS6-FT6-F72		
		96.0 (2439)	SS-PS6-FT6-F96		
1/2	1/2	12.0 (305)	SS-PS8-FT8-F12	0.36 (9.1)	0.86 (21.8)
		24.0 (610)	SS-PS8-FT8-F24		
		36.0 (915)	SS-PS8-FT8-F36		
		48.0 (1220)	SS-PS8-FT8-F48		
		72.0 (1829)	SS-PS8-FT8-F72		
3/4	3/4	24.0 (610)	SS-PS12-FT12-F24	0.53 (13.5)	1.04 (26.4)
		36.0 (915)	SS-PS12-FT12-F36		
1	1	36.0 (915)	SS-PS16-FT16-F36	0.80 (20.3)	1.36 (34.5)
		48.0 (1220)	SS-PS16-FT16-F48		
in.	mm	in.(mm)	—	in.(mm)	in.(mm)
1/4	6	12.0 (305)	SS-PS4-MT6-F12	0.16 (4.1)	0.54 (13.7)
		24.0 (610)	SS-PS4-MT6-F24		
		36.0 (915)	SS-PS4-MT6-F36		
1/2	12	24.0 (610)	SS-PS8-MT12-F24	0.33 (8.4)	0.86 (21.8)
		36.0 (915)	SS-PS8-MT12-F36		

1. All dimensions are for reference only and are subject to change. For dimensions not shown above, please contact the authorized representative or FITOK Group.
 2. Sizes and types listed are standard. Other sizes and types are available on request, refer to the ordering information.

Part Number Description



Note: "Part Number Description" is used for composition rules of FITOK product model, Not suitable for specific product part number selection, not random combinations. If in doubt, please contact FITOK company or authorized agents.

- Options and accessories do not change hose technical data. Hose operating parameters must be considered when selecting a cover.
 - Lucid PVC cover resists abrasion.
 - 302 stainless steel spring guard covers entire hose to protect against kinking and abrasion.
 - To order a hose assembly with special cleaning and packaging (FC-02), following ASTM G93 level C, add -F2 as a suffix to the ordering number.
Example: **SS-PS4-FT4-F24-F2**.
- End 1 and end 2 follow the orders and regulations below:
- Metric Double Ferrules - Fractional Double Ferrules - Metric Tube Adapters - Fractional Tube Adapters - NPT Threads - BSPP Threads - BSPP Threads - SAE/IMS Parallel Threads - 37° Flare - Others
 - Put the sizes from the biggest down to the smallest if they are of the same type.
 - Put the female before male if they are of the same type and size.

Example: **SS-PS4-SAN4-M500**

SS: End connection material is 316 stainless steel.

PS4: PS series, hose inside diameter is 3/16".

SAN4: End 1 connection type and size is 1/4" fitting size, female JIC 37° flare swivel.

End 2 connection type and size is 1/4" fitting size, female JIC 37° flare swivel.

M500: Overall length is 500 mm.

4	1/4 (in.)
6	3/8 (in.) or 6 mm
8	1/2 (in.) or 8 mm
10	5/8 (in.) or 10 mm
12	3/4 (in.) or 12 mm
14	M14 x 1.5
16	1 (in.) or 16 mm
18	M18 x 1.5
20	M20 x 1.5

ML	Metric Tube Fitting
FL	Fractional Tube Fitting
MT	Metric Tube Adapter
FT	Fractional Tube Adapter
FNS	Female NPT
NS	Male NPT
FRT	Female BSPT
RT	Male BSPT
SRG	Female BSPP Swivel (for RG gasket)
FMS	Female Metric Thread (for RG gasket)
IMS	Male Metric Thread (for RG gasket)
SMS	Female Metric Thread Swivel (for RG gasket)
SAN	Female JIC 37° Flare Swivel
AN	Male JIC 37° Flare

4	1/4"
6	3/8"
8	1/2"
12	3/4"
16	1"

SS	316 SS
S4	304 SS
INC	Alloy 600
A20	Alloy 20
HC	Alloy C-276
TI	Titanium
904L SS	904L SS

P	Clear PVC Cover
S	302 Stainless Steel Spring Guard

FC-01	
F2	FC-02