

# Hoses

## PS Series

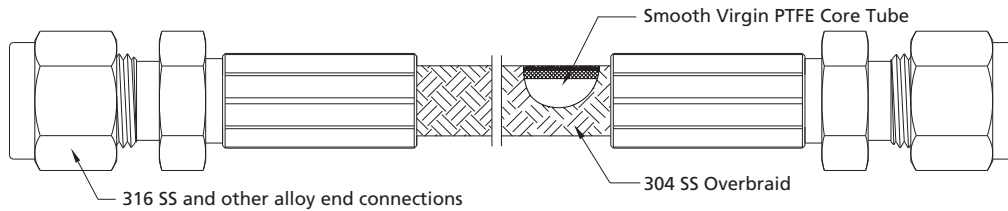


# PTFE-lined, Stainless Steel Braided Hoses

## PS Series

### Features

- ⦿ Lightweight construction for easy handling and installation
- ⦿ Core tube material: smooth virgin PTFE
- ⦿ Overbraid material: 304 stainless steel
- ⦿ Working pressure up to: 3000 psig (207 bar)
- ⦿ Hose size: 1/4" to 1"
- ⦿ Working temperature: -65°F to 400°F (-53°C to 204°C)
- ⦿ Standard and custom length available

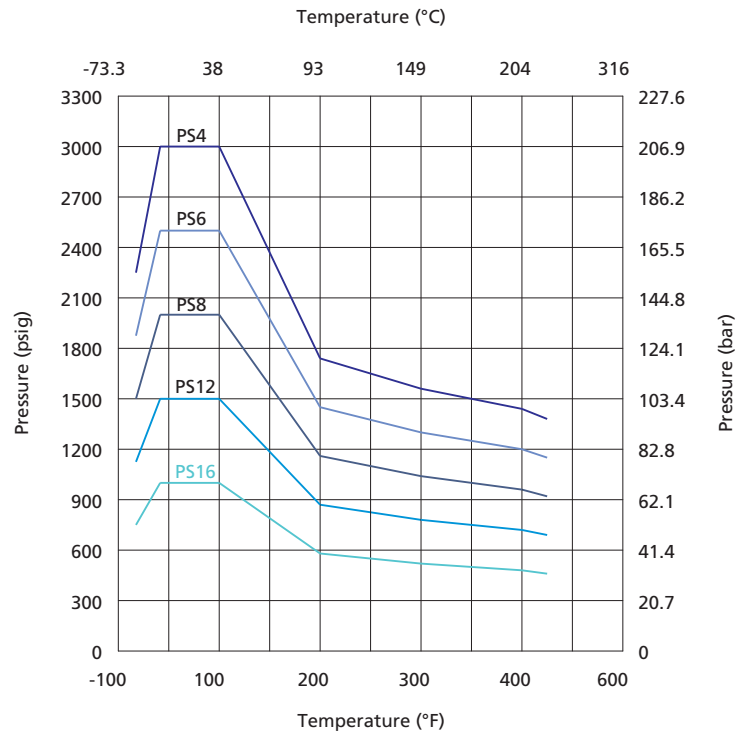


### Hose Technical Data

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 400 (-53 to 204)	3000 (206)	12000 (826)
3/8 (9.5)	0.31 (7.9)	3.5 (88.9)	5.0 (127)		2500 (172)	10000 (690)
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)

Hoses  
Quick-connects

## Pressure vs. Temperature



## Testing

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

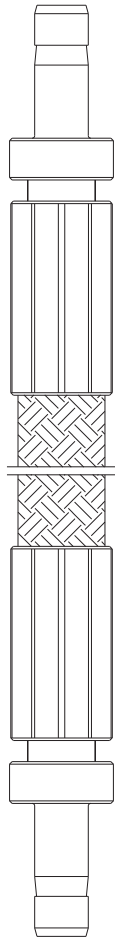
## Cleaning and Packaging

FITOK PTFE-lined hose components are cleaned in accordance with FITOK *Standard Cleaning and Packaging Process (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

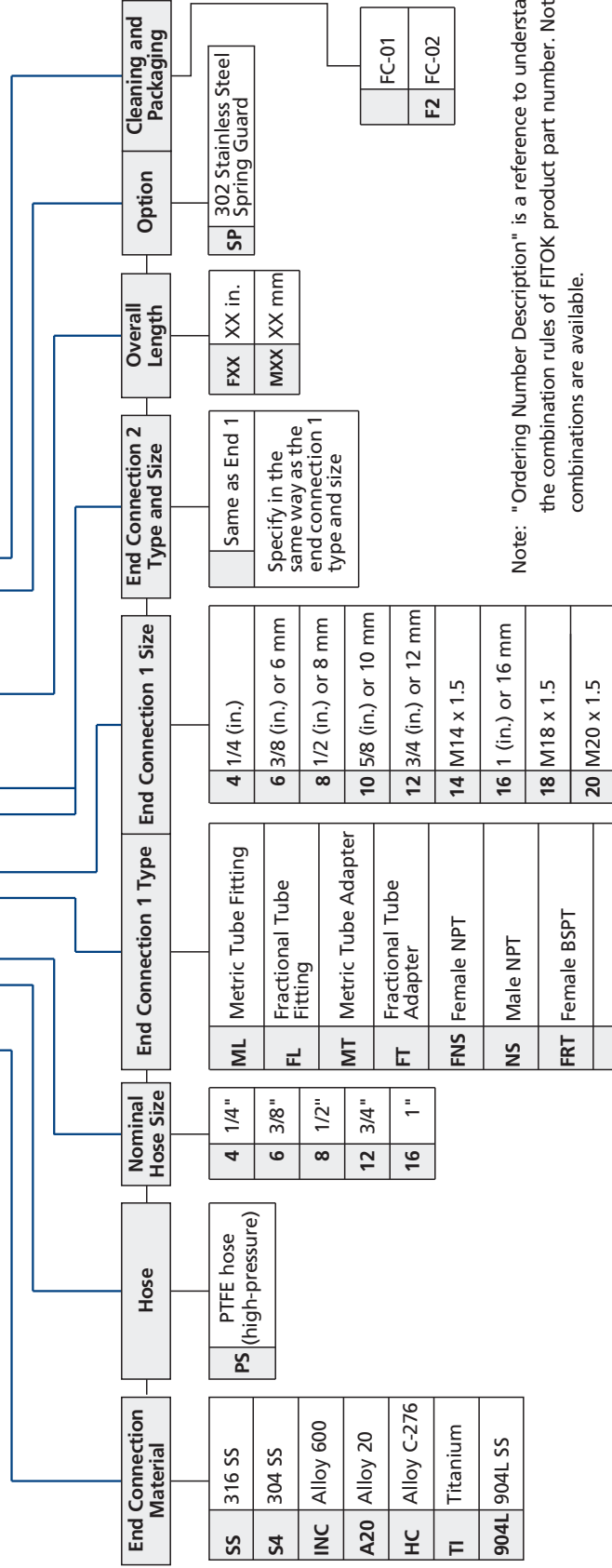


Nominal Hose Size	Tube Adapter Size	Overall Length	Ordering Number	Minimum Inside Diameter	Maximum Outside Dimension
in.	in.	in. (mm)		in. (mm)	in. (mm)
1/4	1/4	6.0 (153)	SS-PS4-FT4-F6	0.16 (4.1)	0.54 (13.7)
		12.0 (305)	SS-PS4-FT4-F12		
		18.0 (458)	SS-PS4-FT4-F18		
		24.0 (610)	SS-PS4-FT4-F24		
		36.0 (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		
		120.0 (3050)	SS-PS4-FT4-F120		
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		
		120.0 (3050)	SS-PS6-FT6-F120		
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		
		60.0 (1530)	SS-PS8-FT8-F60		
		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 FITOK Group or our authorized distributors.
2. Sizes and types listed are standard. Other sizes and types are available on request.

# Ordering Number Description

SS – PS4 – FL6 – FT6 – M1000 – SPF2



Note: "Ordering Number Description" is a reference to understand the combination rules of FITOK product part number. Not all combinations are available.

- Options and accessories do not change hose technical data. Hose operating parameters must be considered when selecting a cover.
- 302 stainless steel spring guard covers entire hose to protect against kinking and abrasion.

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

**SS**: End connection material is 316 stainless steel.

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

**SAN4**: End connection 1 is 1/4" female JIC 37° flare swivel.

End connection 2 is 1/4" female JIC 37° flare swivel.

**M500**: Overall length is 500 mm.

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 - BSPT 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.



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