

Purge Valves

RP Series



Bleed Valves
Purge Valves

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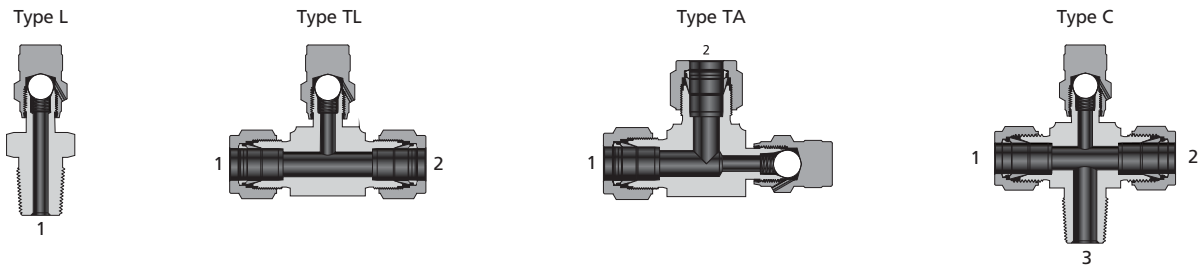
RP Series

Introduction

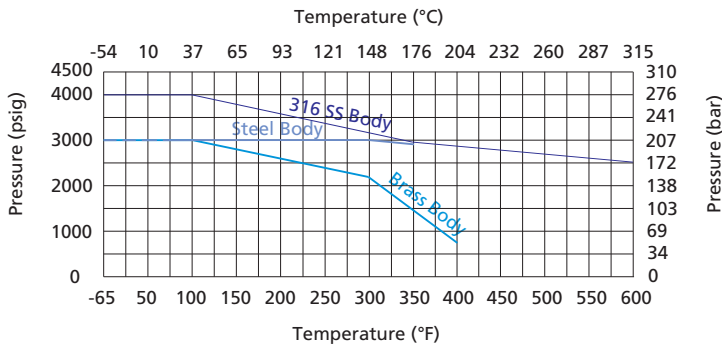
Purge valves are manual bleed, vent or drain valves. The knurled cap is permanently assembled to the valve body for safety. One-quarter turn with a wrench from finger-tight obtains leaktight closure during initial installation. Tightening with a wrench ensures closure to the rated pressure with subsequent installations.

Features

- ⦿ Compact design for easy installation
- ⦿ Bonnet crimped to valve body to prevent accidental disassembly
- ⦿ Working pressure up to: 4000 psig (276 bar)
- ⦿ Working temperature: -65°F to 600°F (-54°C to 315°C)
- ⦿ 316 stainless steel, brass and carbon steel materials available
- ⦿ Leak-tight performance testing for every valve with nitrogen at the maximum working pressure



Pressure vs. Temperature



Contact FITOK Group or our authorized distributors for curve graph of other materials.

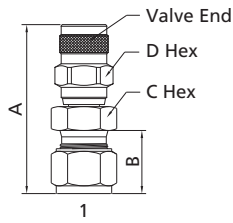
Standard Materials of Construction

Component	Material Grade/ASTM Specification		
	316 SS	Brass	Carbon Steel
Body	316 SS/A182 316 SS/A479	Brass C36000/B16 Brass C37700/B283	12L4/A108 Chromium-plated
Cap	316 SS/A276	Brass C36000/B16	12L4/A108 Chromium-plated
Poppet (Ball)	316 SS/A276	316 SS/A276	316 SS/A276
Spring	302 SS/A313		

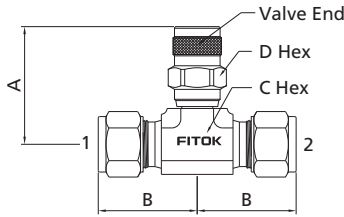
1. Lubricant: molybdenum disulfide-based and silicone-based.
2. Contact FITOK Group or our authorized distributors for other materials.

Models and Dimensions

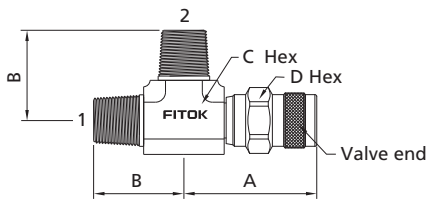
Type L



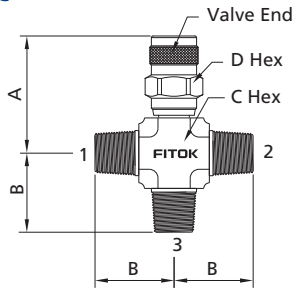
Type TL



Type TA



Type C



Caution:

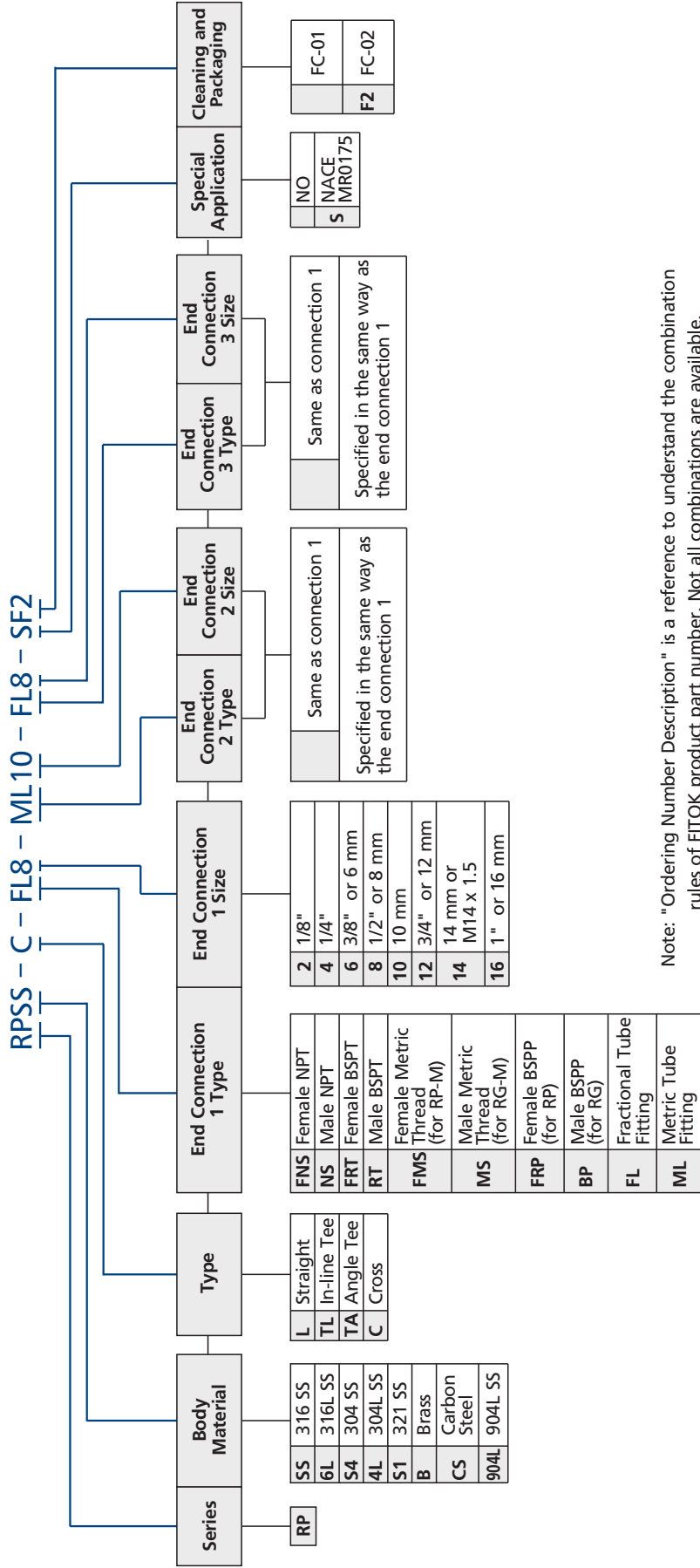
The vent hole of purge valve rotates with the cap, so the valve should be opened slowly, positioning the vent hole to direct system fluid away from the operator. These valves contain no packing, so some fluid leakage will occur when the valves are opened.

Basic Ordering Number	Connection Type and Size		Dimensions, in. (mm)				
			Amax	B	C	D	
RP□□-L	-FL4	1/4" FITOK	1.96 (49.8)	0.69 (17.5)	1/2 (12.7)	5/8 (15.9)	
	-FL6	3/8" FITOK	2.05 (52.1)	0.75 (19.1)	5/8 (15.9)		
	-FL8	1/2" FITOK	2.20 (56.0)	0.88 (22.4)	13/16 (20.6)		
	-ML6	6 mm FITOK	1.96 (49.8)	0.69 (17.5)	0.55 (14.0)		
	-ML8	8 mm FITOK	2.02 (51.3)	0.73 (18.6)	0.59 (15.0)		
	-ML10	10 mm FITOK	2.10 (53.4)	0.77 (19.6)	0.71 (18.0)		
	-ML12	12 mm FITOK	2.20 (55.9)	0.87 (22.0)	0.87 (22.0)		
	-FNS4	1/4 Female NPT	1.76 (44.7)	0.72 (18.3)	3/4 (19.1)		
	-FNS6	3/8 Female NPT	1.83 (46.5)	0.78 (19.8)	7/8 (22.2)		
	-FNS8	1/2 Female NPT	2.02 (51.3)	0.97 (24.6)	1 1/16 (26.9)		
	-NS4	1/4 Male NPT	1.84 (46.8)	0.56 (14.2)	9/16 (14.3)		
	-NS6	3/8 Male NPT	1.89 (48.0)	0.56 (14.2)	11/16 (17.5)		
	-NS8	1/2 Male NPT	2.11 (53.6)	0.75 (19.1)	7/8 (22.2)		
	RP□□-TL RP□□-TA RP□□-C	-FL4	1/4" FITOK	1.41 (35.8)	1.06 (26.9)		1/2 (12.7)
		-FL6	3/8" FITOK	1.49 (37.8)	1.20 (30.5)		5/8 (15.9)
		-FL8	1/2" FITOK	1.61 (40.9)	1.42 (36.1)		13/16 (20.6)
-ML6		6 mm FITOK	1.41 (35.8)	1.06 (27.0)	1/2 (12.7)		
-ML8		8 mm FITOK	1.48 (37.7)	1.495 (29.9)	5/8 (15.9)		
-ML10		10 mm FITOK	1.52 (38.6)	1.24 (31.6)	11/16 (17.5)		
-ML12		12 mm FITOK	1.60 (40.6)	1.41 (36.0)	13/16 (20.6)		
-FNS4		1/4 Female NPT	1.66 (42.2)	1.17 (29.7)	11/16 (17.5)		
-FNS6		3/8 Female NPT	1.75 (44.4)	1.42 (36.1)	13/16 (20.6)		
-FNS8		1/2 Female NPT	1.75 (44.4)	1.56 (39.6)	1 (25.4)		
-NS4		1/4 Male NPT	1.54 (39.2)	1.05 (26.7)	1/2 (12.7)		
-NS6		3/8 Male NPT	1.68 (42.6)	1.17 (29.7)	11/16 (17.5)		
-NS8	1/2 Male NPT	1.75 (44.4)	1.45 (36.8)	13/16 (20.6)			

1. FITOK means FITOK double ferrule tube fittings.
2. Dimensions are shown with FITOK nuts finger-tightened. All dimensions are for reference only and are subject to change.
3. Sizes and types listed are standard. Other sizes and types are available upon request.

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Ordering Number Description



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

1. Standard thread pitch for metric threads are as follows:
 - M10 and below: 1 mm
 - M12 to M24: 1.5 mm
 - M27 and above: 2 mm

Standard thread pitch should be omitted in the ordering number, others should be specified.
2. Cleaning and Packaging:
 - FC-01: Standard cleaning and packaging for general industrial procedures.
 - FC-02: Special cleaning and packaging for wetted system components to ensure compliance with product cleanliness requirement of ASTM G93 Level C.