



Check Valves, Filters and Relief Valves

Catalog 4135-CV

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aerospace
climate control
electromechanical
filtration
fluid & gas handling
hydraulics
pneumatics
process control
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Introduction

Parker PG Series Purge Valves may be utilized as either bleed, purge, or drain valves. The compact valve requires only a quarter turn with a wrench from finger-tight to ensure a leak-tight seal on the first make-up. Additional wrenching ensures a leak-tight seal up to the rated pressure.

Features

- ▶ A 0.055 inch (1.4 mm) diameter vent hole in the cap bleeds, drains, or purges system pressure
- ▶ Hex cap permits finger-tight or wrench assisted closure
- ▶ Crimped cap resists accidental disassembly
- ▶ A variety of body styles offers system design flexibility, reduced space requirements, and helps to eliminate leak paths
- ▶ Available in a variety of end configurations including: CPI™, A-LOK®, male and female NPT, SAE, and Tube Adapter connections
- ▶ 100% factory tested
- ▶ Optional PTFE Ball requires only finger-tight torque to achieve a leak-tight seal

Specifications

Temperature Rating:

Stainless Steel.....	-65°F to 600°F (-54°C to 316°C)
Brass	-65°F to 400°F (-54°C to 204°C)
Carbon Steel.....	-20°F to 350°F (-29°C to 177°C)
PTFE Ball Option.....	-65°F to 350°F (-54°C to 177°C)

Pressure Rating:

Stainless Steel.....	4000 psig (276 bar) CWP
Brass	3000 psig (207 bar)
Carbon Steel.....	3000 psig (207 bar)
PTFE Ball Option.....	200 psig (14 bar)

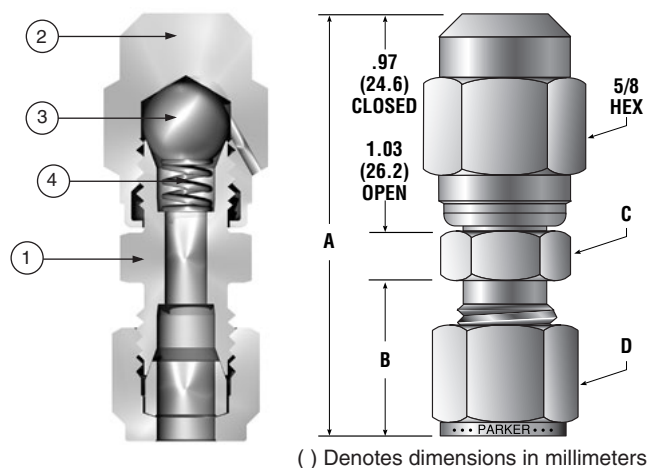
Caution

These valves do not have a cap thread seal. It is imperative to open the valve slowly and direct the vent hole away from persons operating or near the valve. Because of the absence of a cap seal, small amounts of media will flow through the cap thread area when the valves are opened.

PTFE Ball Option

Purge Valves with the PTFE ball option require only finger-tight operation for leak-tight shut-off and are designed with a removable cap for ball replacement.

Materials of Construction and Dimensions

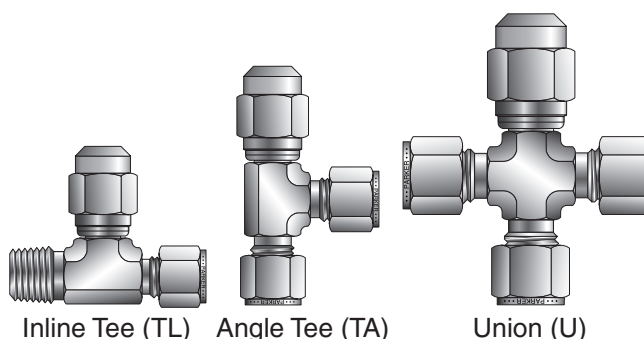
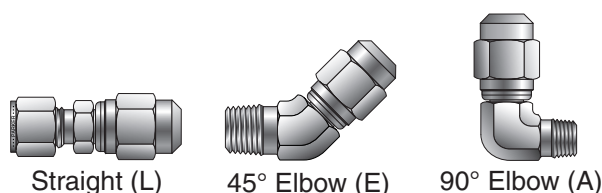


Models Shown: 4Z-PG4L-SS

Item #	Part	Stainless Steel	Carbon Steel	Brass
1	Body	ASTM A479, Type 316	ASTM A108, Grade 12L14	ASTM B16, Alloy C36000
2	Cap	ASTM A479, Type 316	ASTM A108, Grade 12L14	ASTM B16, Alloy C36000
3	Ball	316 Stainless Steel*		
4	Vent Tube	316 Stainless Steel		

*Optional PTFE Ball available
Lubrication: Molybdenum disulfide with soft metallic fillers

Available Purge Valve Models



Dimensions in inches (millimeters) are for reference only, subject to change.

* For CPI™ and A-LOK®, dimensions are measured with nuts in the finger tight position.

The example below describes a stainless steel, 90° angle body PG4 Purge Valve with a 1/8" male NPT port configuration and a PTFE Ball.

2M	-	PG4	A	-	SS	-	T
End Connection*		Valve Series	Body Type		Material		Ball

End Connection*					Valve Series	Body Type	Material	Ball
2A	4A	6A	8A	M6A	PG4	L Straight	SS Stainless Steel	Blank Stainless Steel
2Z	4Z	6F	8F	M6Z		A 90° Elbow		
2F	4F	6M	8F5*	M8A		E 45° Elbow	B Brass	T PTFE
2M	4F5**	6TA	8M	M8Z		TL Tee with Inline Flow	S Carbon Steel	
2TA	4M	6Z	8TA			TA Tee with Angle Flow		
	4TA		8Z			U Union		

** Male SAE port will be supplied with a fluorocarbon rubber O-ring by adding O after F5;
i.e., 4F5O.

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Oxygen Cleaning – Add the suffix **-C3** to the end of the part number to receive valves cleaned for oxygen service per IVD Specification ES8003. **Example:** 2M-PG4A-SS-T-**C3**