



Check Valves, Filters and Relief Valves

Catalog 4135-CV

April 2019

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



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Introduction

Parker BV Series Bleed Valves are designed for use on products such as multi-valve manifolds or gauge/root valves. Functionally, the valve vents line pressure either to atmosphere or to containment when used with the optional barbed vent tube. Generally, bleed valves are used whenever an instrument is removed from a system or to assist in the calibration of control devices. The BV Series is also recommended for use in bleeding hydraulic systems.

Features

- ▶ Available in stainless steel
- ▶ Vent tube directs excess gas or liquid from system lines
- ▶ Chrome plated stem provides extended cycle life with improved sealability
- ▶ Positive stop/vent tube design prevents accidental removal of the stem
- ▶ Compact design
- ▶ Wrench actuation
- ▶ Available in a variety of end configurations including male pipe and SAE ports
- ▶ 100% factory tested
- ▶ Barbed vent tube option enables containment of vented media
- ▶ Optional T-bar handle for wrench-less actuation

BV

Specifications

Pressure Rating:

.....10,000 psig (689 bar) CWP

Temperature Rating:

Stainless Steel..... -65°F to 850°F (-54°C to 454°C)

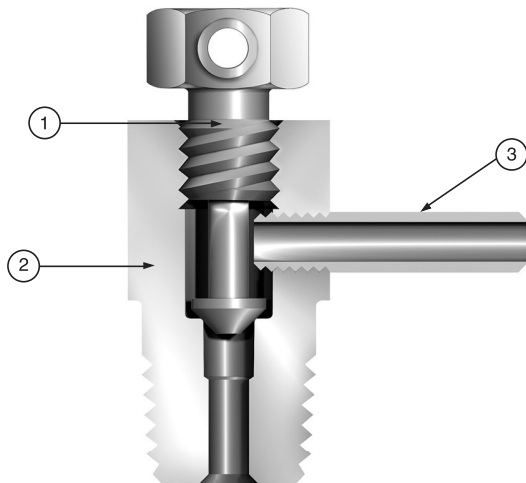
Flow Data

$C_v = 0.13$; $x_T = 0.53$; Orifice = 0.125" (3.2mm).

Tested in accordance with ISA S75.02.

Gas flow will be choked when $P_1 - P_2 / P_1 = x_T$.

Materials of Construction



Model Shown: 4M-BV4-SS

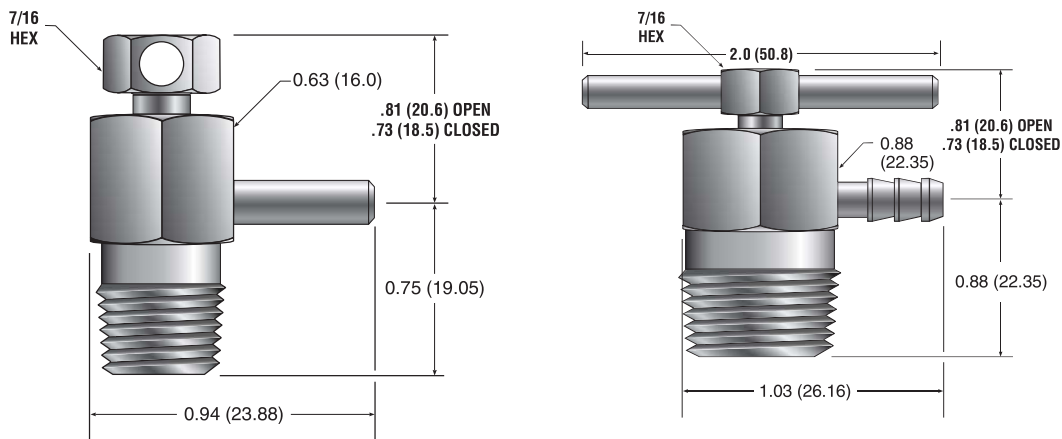
Item #	Part	Stainless Steel
1	Stem	ASTM A479, Type 316
2	Valve Body	ASTM A479, Type 316
3	Vent Tube	316 Stainless Steel

Lubrication: Molybdenum disulfide with soft metallic fillers

Caution

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

Dimensions



() Denotes dimensions in millimeters

Model Shown: 4M-BV4-SS

Model Shown: 8M-BV8-SS-BVT-T

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

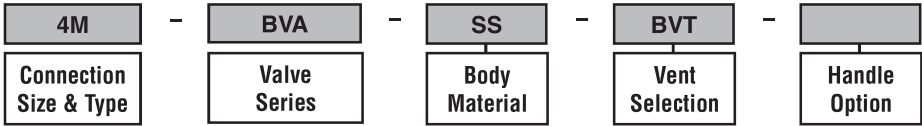
Basic Part Number	End Connections		Options	
	(Inlet) Port 1	(Outlet) Port 2	Vent Selection	Handle Option
2M-BV4-SS	1/8" Male NPT	3/16" O.D. Tube Stub	BVT Barbed Vent Tube	T Tee Bar Handle
4M-BV4-SS	1/4" Male NPT			
4KM-BV4-SS	1/4" Male BSP			
4F5-BV4-SS	1/4" Male SAE			
6M-BV8-SS	3/8" Male NPT			
8M-BV8-SS	1/2" Male NPT			
8F5-BV8-SS	1/2" Male SAE			

BV

How to Order

The part number sequence identifies product characteristics as shown in the example below.

Example: 4M-BVA-SS-BVT Describes a stainless steel BV4 Bleed Valve with a 1/4" male NPT inlet and a barbed vent tube outlet. It does not have a handle.



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WARNING

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