



VBV Series Bleed Valves

Pressure Rating up to 6000 psig
Specification sheet # **VBV-2**

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Applications

D-Pro VBV Series Bleed Valves are designed to vent the signal line pressure to atmosphere before an instrument is removed and to assist in calibration of control devices. These are for use on instrumentation devices such as gauge root valves and multi-valve manifolds. Optional barbed vent tube enables containment of fluid vented. The VBV Series are also ideal in bleeding hydraulic systems.

Installation & Operation

When install & operate, position the vent tube so that system fluid is not directed to personnel operating. Slowly open the valve. This valve has no stem seal packing; small amounts of fluid will go through the stem thread when they are opened. Therefore suitable measures should be taken to protect personnel operating.

Features:

- Vent Tube directs excess liquid or gas from system lines.
- Hard Chrome Plated Stem Threads and Tip improves seal-ability & extend valve cycle life.
- Back Stop Screw prevents accidental disassembly of stem.
- Wrench actuation but can be wrench-less actuation with optional bar handle.
- 100% factory leak tested.

MATERIALS OF CONSTRUCTION

Parts	VALVE BODY MATERIALS	
	S316 Stainless	Carbon Steel
GRADE / ASTM SPECIFICATION		
Stem	S316 / A 276	
Body*	S316/A 276	1018 / A 108
Safety Back Stop Screw	S316 / A 276	
Safety Vent Tube	S316 / A 269	

- Carbon Steel bodies are plated with cadmium white dichromate for corrosion protection.

TECHNICAL DATA

Material	Temperature Rating	Pressure Rating
S316	-65°F to 850°F (-54°C to 454°C)	10 000 psi (689 bar) @ 100°F (38°C)
Carbon Steel	-20°F to 450°F (-29°C to 232°C)	

Ordering Number and Table of Dimensions

Basic Ordering No.	End Connection		Orifice In. (mm)	Cv	Dimensions inch (mm)				
	Inlet	Outlet			L	L1	L2	D	h Hex
VBV-M-2N-	1/8" Male NPT	O.D.	0.125 (3.2)	0.25	1.34 (34.03)	0.94 (23.87)	0.41 (10.41)	0.75 (19.05)	5/8 (15.87)
VBV-M-4N-	1/4" Male NPT	3/16 Tube			1.47 (37.33)	1.03 (26.16)	0.44 (11.17)	0.69 (17.52)	7/8 (22.22)
VBV-M-6N-	3/8" Male NPT	Stub							
VBV-M-8N-	1/2" Male NPT								

All dimensions shown are for reference only and are subject to change.

Options and How to order

- Optional Stainless steel bar Handle: Ordering # -BH
- 3/16 OD Barbed vent Tube: Ordering # -HT

Examples: VBV-M-2N-BH-S, VBV-M-2N-HT-S.

Factory Test

Every valve is tested with the nitrogen @ 68 bar (1000 psi) for leakage at the sea to a maximum allowance leak rate of 0.1 scc/min.

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