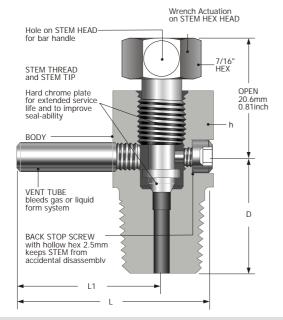


VBV Series Bleed Valves

Catalog No. VBV-1 July 2006



Design and 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

Optional barbed vent tube enables containment of fluidvented. The VBV Series are also ideal in bleeding hydraulic systems.

Installation and Operation

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.

MATERIALS OF CONSTRUCTION

	VALVE BODY MATERIALS				
Components	SS316 Stainless	Carbon Steel			
	GRADE / ASTM and JIS SPECIFICATION				
Stem	SS316 / A 276				
Body*	SS316 / A 276	S20C-S45C / G4051			
Back Stop Screw	SS316 / A 276				
Vent Tube	SS316 / A 269				

Carbon Steel bodies are white galvanized for corrosion resistance.

TECHNICAL DATA

Material	Temperature Rating	Pressure Rating		
SS316	-65°F to 850°F (-54°C to 454°C)	10000 psi (689 bar)		
Carbon Steel	-20°F to 450°F (-29°C to 232°C)	@ 100°F (38°C)		

Ordering Number and Table of Dimensions

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

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

How to Order

To order, add the valve body material as a suffix to the basic ordering number. S: Stainless, C: Steel. Example: VBV-M-2N-S



Options

Bar handle: Optional bar handle allows wrench-less actuation

Bar handle ordering number: BH

Barbed Vent Tube: Optional barbed vent tube enables containment of fluid vented.

3/16""OD barbed vent tube ordering number: HT

To order, use the option ordering number as a suffix to the valve basic ordering number. 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 seat to a maximum allowable leak rate of 0.1 scc/min.

























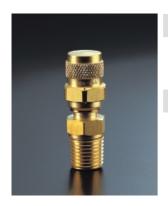
Dk-Lok Tube Fitting Certification Listing

D-Pro Valve Certification Listing



VPV Series Purge Valves

Catalog No. VPV-1 July 2006



Design

D-Pro VPV Series Purge Valves are designed for manually bleeding, venting, or draining system fluids.

The cap is clamped to the valve body for safety in use. The 0.063 inch (1.6 mm) diameter vent hole is constructed on the cap.

Operation and Installation Instruction

D-Pro VPV series purge valve requires a quarter turn of cap with a wrench from finger-tight for a leak-tight seal on the first make-up.

To ensure seal to the rated pressure, snug with a wrench.

Always open the valve slowly.

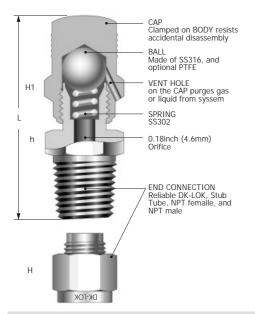
These valves have no seal on cap. Therefore media may flow through the cap thread when the valves are opened. Operating personnel should take suitable measures to be protected from system fluids.

Technical Data

Valve Material	Pressure @ 100° F		Temperature Range		
	psig	bar	°F	°C	
SS316	4000	275	-65 ~ 600	-54 ~ 315	
Brass	3000	206	-65 ~ 400	-54 ~ 204	

Materials of Construction

Components	VALVE BODY MATERIALS				
	SS316	Brass			
	Glade/ASTM Specification				
Сар	SS316/A479 or A276	Brass/B16			
Body	33310/A479 ULAZ70	DI d55/D 10			
Ball	SS316/A276				
Spring	SS302/A313				



Ordering Information and Table of Dimensions

Basic Ordering Number		End	L - closed		h	Н	H1
		Connection	inch	mm	Hex	Hex	Hex
	F-2N-	1/8" Female NPT	1.5	38.1	9/16	-	
	F-4N-	1/4" Female NPT	1.69	42.9	3/4	-	
	F-6N-	3/8" Female NPT	1.75	44.5	7/8	-	
	F-8N-	1/2" Female NPT	1.92	48.8	1-1/16	-	
	M-2N	1/8" Male NPT	1.56	39.6	1/2	-	
	M-4N-	1/4" Male NPT	1.75	44.5	9/16	-	
	M-6N-	3/8" Male NPT	1.78	45.2	11/16	-	5/8
	M-8N-	1/2" Male NPT	2.03	51.6	7/8	-	
VPV-	D-2T-	1/8" DK-LOK	1.78	45.2	1/2	7/16	
D	D-4T-	1/4" DK-LOK	1.88	47.8	1/2	9/16	
	D-6T-	3/8" DK-LOK	1.97	50.0	5/8	11/16	
	D-8T-	1/2" DK-LOK	2.13	54.1	13/16	7/8	
	D-6M-	6mm DK-LOK	1.88	47.8	14mm	9/16	
	D-8M-	8mm DK-LOK	1.94	49.3	15mm	5/8	
	T-4T-	6mm Stub Tube	1.81	46.0	1/2	-	
	T-6T-	3/8" Tube Stub	1.88	47.8	1/2	-	
	T-8T-	1/2" Tube Stub	2.09	53.1	9/16		

Options and How to order

Optional PTFE ball is available. Valve with Teflon ball does not require wrench but only finger-tight for leak-tight shut-off.

Pressure rating: 200 psig @ 100° F (13.7 bar @ 37°C)

• Maximum Temperature: 350° F (176° C)

To order, add the valve body material as a suffix to the basic ordering number. S: Stainless, B: Brass. Example: VPV-M-2N-S To order PTFE ball valve, add PE to the basic ordering number. Example: VPV-M-4N-PE-B

Factory Test

Every valve is tested with the nitrogen @ 68 bar (1000 psi) for leakage at the seat to a maximum allowable leak rate of 0.1 scc/min. The valve with PTFE ball is tested at 3.4 bar (50 psi) for leakage at the seat to a maximum allowance leak rate of 0.1 scc/min.



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