



MATERIALS OF CONSTRUCTION
Models: BV0.75, BV1, BV1.25A,
BV1.50A, BV2A

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PART NAME	STANDARD MATERIALS	AVAILABLE OPTIONS
Cap, Cover, Body	Ductile Iron: ASTM A536, 18%	
Adjusting Stud & Nut Assy. / Screw	Steel	
Valve	Cast Iron: ASTM A48	
O-Rings	Buna-N	
Spring Guide	Steel	
Spring	Plated Steel	
Spring Ranges		
BV0.75, BV1	Range 71-100 psi (4.90-6.89 bar). Factory Set at 95 psi (6.55 bar) differential pressure - unless otherwise specified.	20-40 psi (1.38-2.76 bar) ¹ 41-70 psi (2.83-4.83 bar) ¹ 101-125 psi (6.96-8.62 bar) ¹
BV1.25A, BV1.50A	Range 71-125 psi (4.90-8.62 bar). Factory Set at 125 psi (8.62 bar) differential pressure - unless otherwise specified)	20-40 psi (1.38-2.76 bar) ¹ 41-70 psi (2.83-4.83 bar) ¹ 126-165 psi (8.69-11.38 bar) ^{1, 2}
BV2A	Range 91-125 psi (6.28-8.62 bar). Factory Set at 125 psi (8.62 bar) differential pressure - unless otherwise specified)	20-40 psi (1.38-2.76 bar) ¹ 41-70 psi (2.83-4.83 bar) ¹ 71-90 psi (4.90-6.21 bar) ¹ 126-150 psi (8.69-10.34 bar) ^{1, 3}

¹ Optional Springs are set at the midpoint of the range by the factory unless otherwise specified.

² Use with pumps rated over 125 psi (8.62 bar) differential pressure.

³ Non-U.L. Listed, all others are U.L. listed for LPG and NH₃ Service

PIPE CONNECTIONS

Model		
BV0.75	¾" NPT Tapped Ports	
BV1	1" NPT Tapped Ports	
BV1.25A	1 ¼" NPT Tapped Ports	
BV1.50A	1 ½" NPT Tapped Ports	
BV2A	Two 2" NPT Flanges Ductile Iron: ASTM A536, 18%	Two 2" Weld Flanges Steel: ASTM A216 WCB 2" Weld x 2" Weld EI Flanges Steel: ASTM A216 WCB

OPERATING LIMITS

Maximum Differential Pressure	125 psi (8.62 Bar) 165 psi (11.38 Bar) (BV1.25A, BV1.5A with 126-165 psi spring only) 150 psi (10.34 Bar) (BV2A with 126-150 psi spring only, for non-U.L. Applications)
Maximum Working Pressure	350 psi (24.13 Bar) 390 psi (26.90 Bar) (BV1.25A, BV1.5A with 126-165 psi spring only)