



*Vogt Valves*

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*The Connection Bulletin for  
Forged Steel Bellows Globe Valves  
Class 150, 300, 600 & 800*

*CB 05*

## Forged Steel Bellowsal Globe Valves: Class 150, 300, 600 and 800

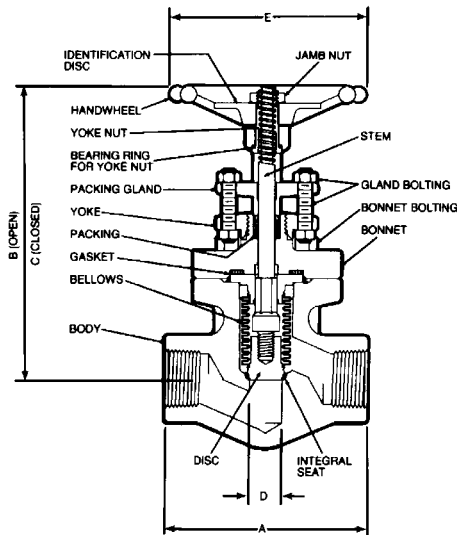


A total containment solution is available with the installation of a Vogt Bellowsal Globe Valve constructed to positively remove any leak paths at the bonnet joint and packing so common in many valve designs.

The Bellows subassembly with its flange seal welded to the valve body totally confines the flow of media within the valve body. The valve packing and bonnet gasket are totally isolated by the bellows from the flowing medium and serve in a "back up" sealing role only.

- Zero Environmental Leakage
- High Strength Seamless MultiPly Bellows
- Minimum Pressure Boundary Welds
- Flexible Graphite Packing
- Full Hard Faced Seat

## Forged Steel Bellows Globe Valves: Class 150, 300, 600 and 800



- Seamless Multi-Ply Bellows
- Round Bolted Bonnet
- Spiral Wound Gasket
- Outside Screw & Yoke
- Bolted Gland
- Hard Faced Disc
- Integral Hard Faced Seat
- ASME B16.34

All Vogt bellows globe valves are carefully subjected to shell, seat and bellows tests prior to shipment to provide long-term **safety/savings** through total containment.

### Threaded or Socket Weld Ends

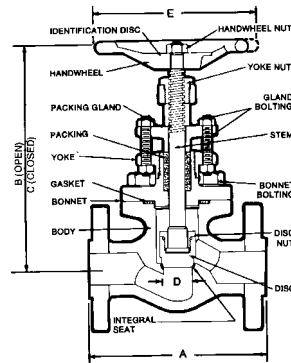
<b>CLASS 800</b> Conventional Port				Size	Weight in Pounds	A End to End	B Open	C Closed	D Seat Diam.	E Hand Diam.	Cv Factor
1975 PSI @ 100°F				1/2	5.0	3.75	6.32	6.13	.50	4.00	2.2
Series Number		Material		3/4	8.7	4.62	6.88	6.62	.75	4.75	5.7
Threaded	Socket Weld	Body/Bonnet	Trim	1	8.5	4.62	6.88	6.62	.75	4.75	5.2
12141B	SW12141B	A105 (1)	316*	1 1/2	30.5	7.75	10.00	9.50	1.53	7.00	21.2
			316L Bellows (2)								
				2	30.5	7.75	10.00	9.50	1.53	7.00	20.5

\*Seat and Disc are hard faced. Stem is 13%CR.

(1) Also available in ASTM A182, Grade F316/F316L body and bonnet construction.

(2) Also available with Inconel 625 trim package.

# Forged Steel Bellowsel Globe Valves: Class 150, 300, 600 and 800



- Seamless Multi-Ply Bellows
- Round Bolted Bonnet
- Spiral Wound Gasket
- Outside Screw & Yoke
- Bolted Gland
- Hard Faced Disc
- Integral Hard Faced Seat
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## Flanged Ends

CLASS 150 Conventional Port			285 PSI @ 100°F	Size	Weight in Pounds	A End to End	B Open	C Closed	D Seat Diam.	E Hand Diam.	Cv Factor
Series Number	Material			1/2	7.0	4.25	6.32	6.13	.50	4.00	2.2
Flanged Ends 1/16" R.F.	Body/Bonnet	Trim		3/4	11.6	4.62	6.88	6.62	.75	4.75	5.7
473B	A105	316* 316L Bellows (2)		1	11.7	5.00	6.88	6.62	.75	4.75	5.2
				1 1/2	25.3	6.50	10.00	9.50	1.53	7.00	21.2
				2	38.6	8.00	10.00	9.50	1.53	7.00	20.5
CLASS 300 Conventional Port			740 PSI @ 100°F	Size	Weight in Pounds	A End to End	B Open	C Closed	D Seat Diam.	E Hand Diam.	Cv Factor
Series Number	Material			1/2	8.7	6.00	6.32	6.13	.50	4.00	2.2
Flanged Ends 1/16" R.F.	Body/Bonnet	Trim		3/4	15.1	7.00	6.88	6.62	.75	4.75	5.7
483B	A105	316* 316L Bellows (2)		1	15.5	8.00	6.88	6.62	.75	4.75	5.2
				1 1/2	40.2	9.00	10.00	9.50	1.53	7.00	21.2
				2	43.8	10.50	10.00	9.50	1.53	7.00	20.5
CLASS 600 Conventional Port			1480 PSI @ 100°F	Size	Weight in Pounds	A End to End	B Open	C Closed	D Seat Diam.	E Hand Diam.	Cv Factor
Series Number	Material			1/2	8.8	6.50	6.32	6.13	.50	4.00	2.2
Flanged Ends 1/4" R.F.	Body/Bonnet	Trim		3/4	14.5	7.50	6.88	6.62	.75	4.75	5.7
493B	A105	316* 316L Bellows (2)		1	16.7	8.50	6.88	6.62	.75	4.75	5.2
				1 1/2	43.8	9.50	10.00	9.50	1.53	7.00	21.2
				2	49.3	11.50	10.00	9.50	1.53	7.00	20.5

\*Seat and Disc are hard faced. Stem is 13%CR. (2) Also available with Inconel 625 trim package. Valve flanges conform to ASME Standard B16.5 and end-to-end dimensions conform to ASME Standard B1610.



**Vogt Valves**

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