

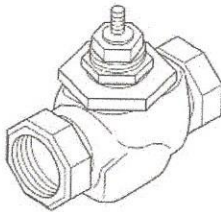
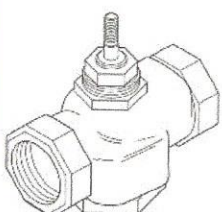
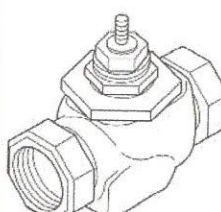
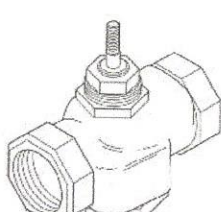
1. VB-7000 Bronze Bodies

Globe Valve Bodies

VB-7200 Series 1/2" to 2"

Two-Way, Brass Trim

Brass Trim Threaded with Soft Seats

Two-Way Brass Trim Body Type				Threaded NPT	Threaded NPT	Threaded Metric Rp	Threaded Metric Rp
							
Series Part Number				VB-7213-0-4-	VB-7223-0-4-	VB-7215-0-4-	VB-7225-0-4-
Pipe Sizes				1/2" to 2"		15 to 50 mm	
Stem Action				Up Open	Up Closed	Up Open	Up Closed
ANSI Pressure Class				250 psi (up to 400 psi below 150°F)		PN 16, 250 psi (up to 400 psi below 150°F)	
ANSI Seat Leakage^c				Designed to ANSI V with ANSI IV above 35 psi (241 kPa) close off. Long term seat leakage dependent on proper water conditioning maintenance of the system.			
Control Media and Temperature				20 to 281°F (-7 to 138°C) water (up to 60% glycol/water solution), low pressure, saturated, treated steam			
Flow Curve				Modified Equal Percentage			
Allowable ΔP for Water^b				87 psi (600 kPa) Max. for normal life ^a			
Max. inlet pressure, saturated steam				35 psi (240 kPa)			
Max ΔP for sizing, saturated steam^b				80% of inlet pressure up to 15 psig and 42% of absolute (gage pressure plus 14.7) inlet pressure above 15 psig inlet			
Max ΔP at close-off, saturated steam^b				Inlet pressure (35 psi) (actuator must be rated to provide close-off pressure)			
Size	Cv	Kvs	Rangeability greater than	Valve Body Part Numbers			
1/2"	0.4	0.3	100:1	VB-7213-0-4-01	VB-7223-0-4-01	VB-7215-0-4-01	VB-7225-0-4-01
	1.3	1.1	100:1	VB-7213-0-4-02	VB-7223-0-4-02	VB-7215-0-4-02	VB-7225-0-4-02
	2.2	1.9	100:1	VB-7213-0-4-03	VB-7223-0-4-03	VB-7215-0-4-03	VB-7225-0-4-03
	4.4	3.8	100:1	VB-7213-0-4-04	VB-7223-0-4-04	VB-7215-0-4-04	VB-7225-0-4-04
3/4"	5.5	4.8	100:1	VB-7213-0-4-05	VB-7223-0-4-05	VB-7215-0-4-05	VB-7225-0-4-05
	7.5	6.5	100:1	VB-7213-0-4-06	VB-7223-0-4-06	VB-7215-0-4-06	VB-7225-0-4-06
1"	10	8.7	100:1	VB-7213-0-4-07	VB-7223-0-4-07	VB-7215-0-4-07	VB-7225-0-4-07
	14	12.1	100:1	VB-7213-0-4-08	VB-7223-0-4-08	VB-7215-0-4-08	VB-7225-0-4-08
1-1/4"	20	17.3	100:1	VB-7213-0-4-09	VB-7223-0-4-09	VB-7215-0-4-09	VB-7225-0-4-09
1-1/2"	28	24.2	100:1	VB-7213-0-4-10	VB-7223-0-4-10	VB-7215-0-4-10	VB-7225-0-4-10
2"	40	34.6	100:1	VB-7213-0-4-11	VB-7223-0-4-11	VB-7215-0-4-11	VB-7225-0-4-11

^aTo minimize noise, ensure the flow rate in the piping is less than 10 ft (3M) / Second and the differential pressure is less than 35 psi (241 kPa), operating with differential pressures above 35 psi may result in additional noise but is acceptable up to 87 psi (600 kPa). Operating within the cavitation zone may result in noise and internal valve damage.

^bMaximum recommended differential pressure in open position. Do not exceed recommended differential pressure (pressure drop), as integrity of parts may be affected.

^cRefer to Seat Leakage Classes table page 13.