



HI-FLOW™ CONTROL VALVES

Globe Valves, Ideal for Steam and Water Flow Control, 1/2" to 2-1/2" Sizes, 2-Way or 3-Way

Use the chart below to aid in the selection of Hi-Flow™ Control Valve. As long as the maximum upstream pressure (USP) is less than, or equal to, the value listed, the model shown can be manufactured and calibrated to your specific requirements. Specify maximum upstream pressure, USP, when ordering.

MODEL CHART - 2-WAY SIMPLIFIED SELECTION GUIDE WITH STANDARD PRODUCTS										
Pipe Size	Cv 100%	Body Material	Air-To-Open Model	Max USP psi [bar] 3-15 [.21-1.0]	A in [mm]	C in [mm]	Air-To-Close Model	Max USP psi [bar] 3-15 [.21-1.0]	B in [mm]	C in [mm]
1/2"	6.45	Bronze	2000VA32-230	250 [17.2]	19-3/4 [501.7]	7-3/4 [196.9]	2000VA32-220	250 [17.2]	18-7/16 [468.3]	7-3/4 [196.9]
1/2"	6.45	316SS	2000VA42-230	300 [20.7]	19-3/4 [501.7]	7-3/4 [196.9]	2000VA42-220	300 [20.7]	18-7/16 [468.3]	7-3/4 [196.9]
3/4"	10.75	Bronze	2001VA32-230	250 [17.2]	19-3/4 [501.7]	7-3/4 [196.9]	2001VA32-220	250 [17.2]	18-7/16 [468.3]	7-3/4 [196.9]
3/4"	10.75	Bronze	2001VA32-231	250 [17.2]	20-3/8 [517.5]	10-5/8 [269.9]	2001VA32-221	250 [17.2]	19-1/8 [485.8]	10-5/8 [269.9]
3/4"	10.75	316SS	2001VA42-230	285 [19.7]	19-3/4 [501.7]	7-3/4 [196.9]	2001VA42-220	300 [20.7]	18-7/16 [468.3]	7-3/4 [196.9]
3/4"	10.75	316SS	2001VA42-231	300 [20.7]	20-3/8 [517.5]	10-5/8 [269.9]	2001VA42-221	300 [20.7]	19-1/8 [485.8]	10-5/8 [269.9]
1"	17.42	Bronze	2002VA32-230	166 [11.4]	20-3/16 [512.8]	7-3/4 [196.9]	2002VA32-220	192 [13.2]	18-7/8 [479.4]	7-3/4 [196.9]
1"	17.42	Bronze	2002VA32-231	250 [17.2]	20-13/16 [528.6]	10-5/8 [269.9]	2002VA32-221	250 [17.2]	19-9/16 [496.9]	10-5/8 [269.9]
1"	17.42	316SS	2002VA42-230	166 [11.4]	20-3/16 [512.8]	7-3/4 [196.9]	2002VA42-220	192 [13.2]	18-7/8 [479.4]	7-3/4 [196.9]
1"	17.42	316SS	2002VA42-231	300 [20.7]	20-13/16 [528.6]	10-5/8 [269.9]	2002VA42-221	300 [20.7]	19-9/16 [496.9]	10-5/8 [269.9]
1-1/4"	25.30	Bronze	2003VA32-230	98 [6.8]	20-5/16 [515.9]	7-3/4 [196.9]	2003VA32-220	115 [7.9]	19 [482.6]	7-3/4 [196.9]
1-1/4"	25.30	Bronze	2003VA32-231	245 [16.9]	20-15/16 [531.8]	10-5/8 [269.9]	2003VA32-221	250 [17.2]	19-11/16 [500.1]	10-5/8 [269.9]
1-1/4"	25.30	Bronze	2003VA32-233	250 [17.2]	25-13/32 [645.3]	13-3/8 [339.7]	2003VA32-223	250 [17.2]	23-1/8 [587.4]	13-3/8 [339.7]
1-1/4"	25.30	316SS	2003VA42-230	98 [6.8]	20-5/16 [515.9]	7-3/4 [196.9]	2003VA42-220	115 [7.9]	19 [482.6]	7-3/4 [196.9]
1-1/4"	25.30	316SS	2003VA42-231	245 [17.0]	20-15/16 [531.8]	10-5/8 [269.9]	2003VA42-221	300 [20.7]	19-11/16 [500.1]	10-5/8 [269.9]
1-1/4"	25.30	316SS	2003VA42-233	300 [20.7]	25-13/32 [645.3]	13-3/8 [339.7]	2003VA42-223	300 [20.7]	23-1/8 [587.4]	13-3/8 [339.7]
1-1/2"	32.10	Bronze	2004VA32-230	65 [4.5]	20-11/16 [525.5]	7-3/4 [196.9]	2004VA32-220	80 [5.5]	19-3/8 [492.1]	7-3/4 [196.9]
1-1/2"	32.10	Bronze	2004VA32-231	168 [11.6]	21-5/16 [541.3]	10-5/8 [269.9]	2004VA32-221	235 [16.2]	20-1/16 [509.6]	10-5/8 [269.9]
1-1/2"	32.10	Bronze	2004VA32-233	250 [17.2]	25-25/32 [654.8]	13-3/8 [339.7]	2004VA32-223	250 [17.2]	23-1/2 [596.9]	13-3/8 [339.7]
1-1/2"	32.10	316SS	2004VA42-230	65 [4.5]	20-11/16 [525.5]	7-3/4 [196.9]	2004VA42-220	80 [5.5]	19-3/8 [492.1]	7-3/4 [196.9]
1-1/2"	32.10	316SS	2004VA42-231	168 [11.6]	21-5/16 [541.3]	10-5/8 [269.9]	2004VA42-221	235 [16.2]	20-1/16 [509.6]	10-5/8 [269.9]
1-1/2"	32.10	316SS	2004VA42-233	300 [20.7]	25-25/32 [654.8]	13-3/8 [339.7]	2004VA42-223	300 [20.7]	23-1/2 [596.9]	13-3/8 [339.7]
2"	50.30	Bronze	2005VA32-230	31 [2.1]	20-15/16 [531.8]	7-3/4 [196.9]	2005VA32-220	44 [3.0]	19-5/8 [498.5]	7-3/4 [196.9]
2"	50.30	Bronze	2005VA32-231	88 [6.1]	21-9/16 [547.7]	10-5/8 [269.9]	2005VA32-221	140 [9.7]	20-5/16 [515.9]	10-5/8 [269.9]
2"	50.30	Bronze	2005VA32-233	175 [12.1]	26-1/32 [661.2]	13-3/8 [339.7]	2005VA32-223	250 [17.2]	23-3/4 [603.3]	13-3/8 [339.7]
2"	50.30	316SS	2005VA42-230	31 [2.1]	20-15/16 [531.8]	7-3/4 [196.9]	2005VA42-220	44 [3.0]	19-5/8 [498.5]	7-3/4 [196.9]
2"	50.30	316SS	2005VA42-231	88 [6.1]	21-9/16 [547.7]	10-5/8 [269.9]	2005VA42-221	140 [9.7]	20-5/16 [515.9]	10-5/8 [269.9]
2"	50.30	316SS	2005VA42-233	175 [12.1]	26-1/32 [661.2]	13-3/8 [339.7]	2005VA42-223	272 [18.8]	23-3/4 [606.3]	13-3/8 [339.7]

MODEL CHART - CONTROL VALVES - HI-FLOW™ SERIES, 2-WAY, STOCKED MODELS					
Pipe Size	Cv 100%	Body Material	Air-To-Open Model	Set at USP psig [bar]	Adjustable USP Range psig [bar]
1/2"	6.45	Bronze	2000VA32-230-QS	125 [8.6]	96-200 [6.8-13.8]
3/4"	10.75	Bronze	2001VA32-230-QS	125 [8.6]	81-155 [5.6-10.7]
1"	17.42	Bronze	2002VA32-230-QS	125 [8.6]	123-166 [8.5-11.5]
1"	17.42	Bronze	2002VA32-231-QS	125 [8.6]	71-155 [4.9-10.7]
1-1/4"	25.30	Bronze	2003VA32-230-QS	98 [6.8]	66-98 [4.6-6.8]
1-1/4"	25.30	Bronze	2003VA32-231-QS	125 [8.6]	121-165 [8.3-11.4]
1-1/2"	32.10	Bronze	2004VA32-231-QS	125 [8.6]	104-137 [7.2-9.5]
2"	50.30	Bronze	2005VA32-231-QS	88 [6.1]	68-88 [4.7-6.1]
2"	50.30	Bronze	2005VA32-233-QS	125 [8.6]	116-145 [8.0-10.0]