



BVB Series Electronic “Fail Safe” Steam and Hot Water Control Valve

The Thermaflo Engineering BV Series Electronic 2 Way Steam and Hot Water ball type control valve combines high flow capacity with a precise fully modulating electronic “Fail Safe” actuator for precision control of hot and chilled water systems. The unique internal equal % design 316 stainless steel ball proportionally controls steam and or hot water for precise temperature control applications such as heat exchangers, hot water storage tanks, or hot water recirculation converter systems. The soft seat provides dead tight shutoff on no demand services, and prevents overshooting.

Sizes: 3/4”, 1”, 1.5” and 2”

Valve Body: Bronze

Internal Trim: 316 Stainless Steel TFE Seats and Seals

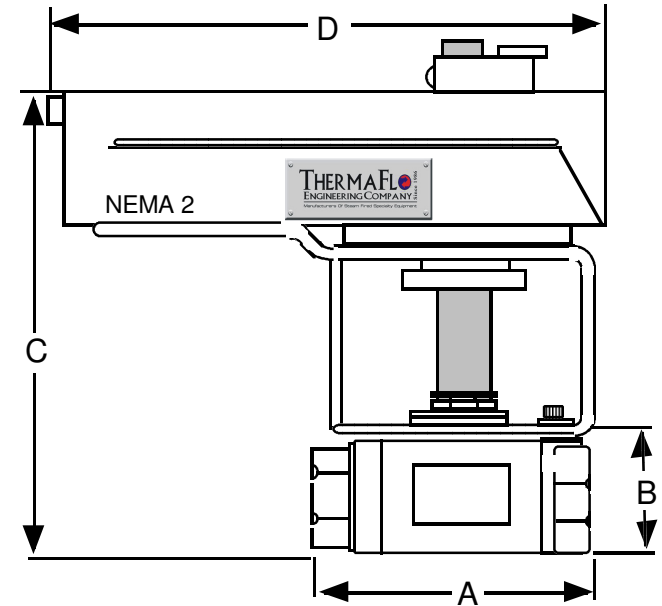
Max Working Pressure: 35 PSIG Steam and 200 PSIG Water

Max Working Temperature: 280F

Control Signal Input: 0-10 VDC or 4-20 ma Split Range Optional for 1/3 2/3

Control Operation

Max Steam Working Pressure: 35 PSIG



2-WAY DIMENSION, 3/4” - 2”

Note: Spring Return Actuators required for temperature control applications.
CUSTOM CVs Optional, Larger Sizes Available, V Port Available.

BV VALVE MODEL # PREFIX	SIZE NPT	CV	A	B	C				D				E-Actuator Width (Not Shown)			
					Non Spring Return		Spring Return	Non Spring Return		Spring Return	Non Spring Return		Spring Return			
					D-140/ D-210 Series	D-280 Series	DC-310 Series	DS-140 Series	D-140/ D-120 Series	D-280 Series	DC-310 Series	DC-140 Series	D-140/ D-210 Series	D-280 Series	DC-310 Series	DS-140 Series
BV2075VS30	3/4”	30	3.0	2.1	7.4	7.4	7.6	8.3	13.1	13.1	10.5	9.8	4.0	4.0	4.0	4.6
BV2100VS43	1”	43	3.4	2.3	8.0	8.0	8.2	12.5**	13.1	13.1	10.5	9.8	4.0	4.0	4.0	4.6
BV2150VS84	1.5”	84	4.7	2.4	8.2	8.2	8.4	12.7**	13.1	13.1	10.5	9.8	4.0	4.0	4.0	4.6
BV2200VS108	2”	108	4.7	2.8	9.5	9.5	9.7	14.0**	13.1	13.1	10.5	9.8	4.0	4.0	4.0	4.6

OPTIONAL 2” BV2200VS389 High Flow CV: 389 for High Flow Applications Note: If valve is 50% of inlet pipe size derate CV 30%

Manufacturing Facilities: 12249 Nations Ford Road Pineville, N.C. 28134 www.thermafloengineering.com Made in USA