

BV 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.

Sizes: 3/4”, 1”, 1.5” and 2”

Valve Body: Bronze, Carbon Steel or 316 Stainless Steel

Internal Trim: 316 Stainless Steel TFE Seats and Seals

Max Working Pressure: 316 Stainless: 150 psig Bronze: 125 psig

Max Working Temperature: 366F

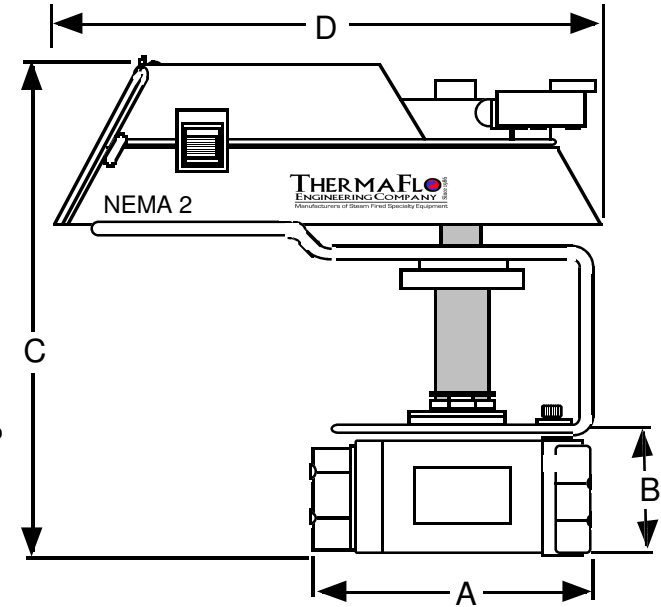
Control Signal Input: 0-10 VDC or 4-20 ma Split Range Optional for 1/3 2/3

Control Operation

Max Steam Working Pressure: 100 psig @ 338F (150 psig Optional)



Bronze Valve with 316 Stainless Steel Trim Shown
316 Stainless and Carbon Steel Valves are available upon request to Thermaflo



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 BV SIZE-WAY-CV	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
BV 75-2-16	3/4”	16	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
BV 1-2-35	1”	35	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
BV 150-2-81	1.5”	81	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
BV 2-2-105	2”	105	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