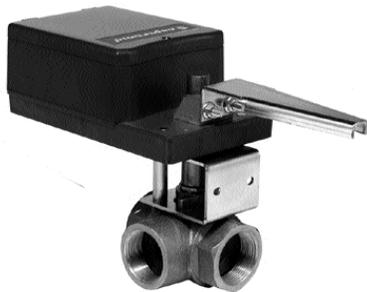


DESCRIPTION & SPEC INDUSTRIAL BALL VALVES

neptronic

For 3 Way control of hot water or chilled water up to 50% Glycol & 15 PSI saturated steam.



Description

The **Industrial Ball Valve Series** are actuated **Ball Valves** that provide digital or analog control of hot water, chilled water containing up to 50% glycol or 15 PSI steam. Each unit is comprised of a rotary actuator and linkage assembly coupled to the valve body that offers, high pressure differential Close-Off.

Valve sizes range from 1/2 inch to 2 inches with a maximum valve body rating of 400 PSIG for a 3 way. These low profile, compact units can be installed with ease in the often tight, restricted areas found in unit ventilators, fan coils, terminal reheat coils and larger air handlers.

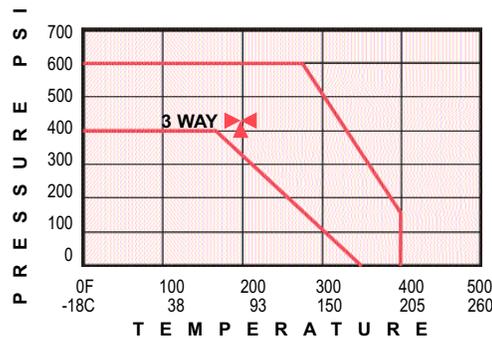


FIG. I PRESSURE vs. TEMPERATURE

Specifications

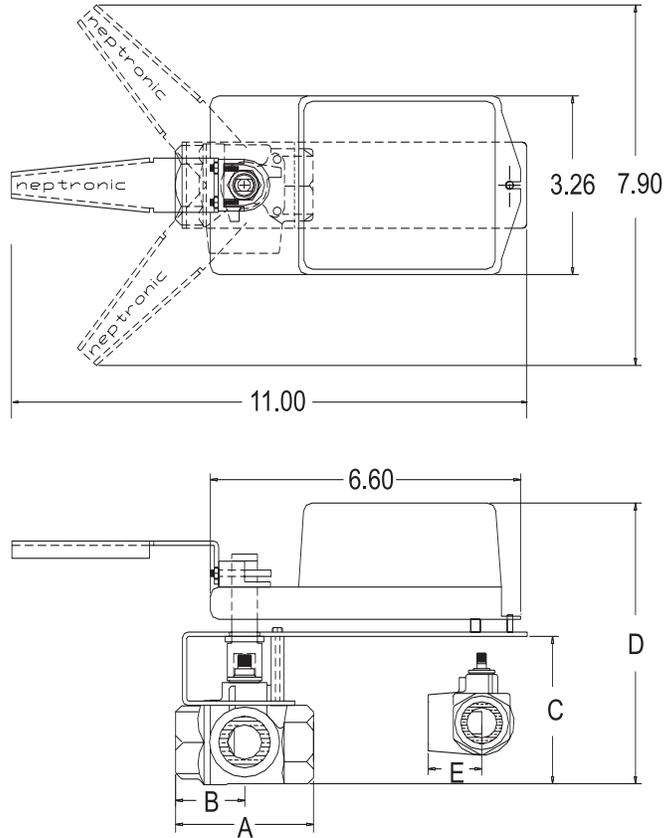
Valve Flow Type:	3 Way: Modified Linear
Service:	Hot water, chilled water, glycol up to 50%, 15 PSIG, saturated steam. (Optional: 150 PSIG saturated steam)
Static Pressure & Temperature:	(Refer to Fig. I)
Maximum Working Pressure:	3 Way: 400 PSIG WOG
Body:	Bronze
Ball & Stem:	Stainless Steel
Stem Seals:	Composite of reinforced Teflon & EPDM "O" rings
Seats:	Reinforced Teflon
End Connections:	Standard NPT Female

DIMENSIONS - INDUSTRIAL BALL VALVES

neptronic® 1/2"- 3/4" BT/BM ACTUATOR VALVE ASSEMBLY



BT/BM Actuated Valve Assembly



SIZE	Cv	Kv	VALVE MODEL PREFIX	CLOSE OFF PSI	A	B	C	D	E
1/2"	5	4	ST A0048XS1	100	2.25	1.09	3.20	6.45	1.18
3/4"	12	10	ST B0120XS1	100	3.00	1.50	3.60	6.85	1.62

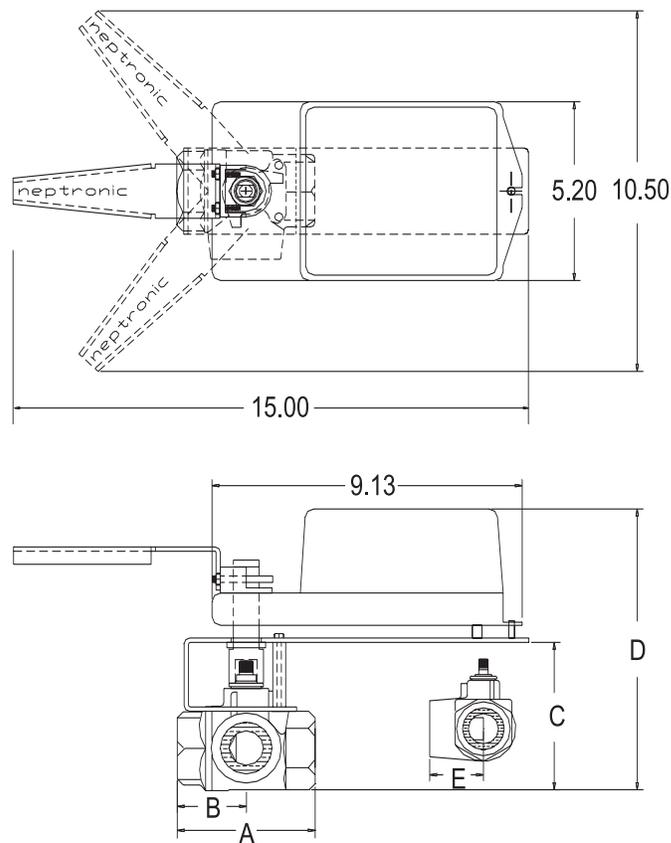
* All dimensions are in Inches.

DIMENSIONS - INDUSTRIAL BALL VALVES

1"- 1-1/2" TT/TM ACTUATOR VALVE ASSEMBLY **neptronic**



TT/TM Actuated Valve Assembly

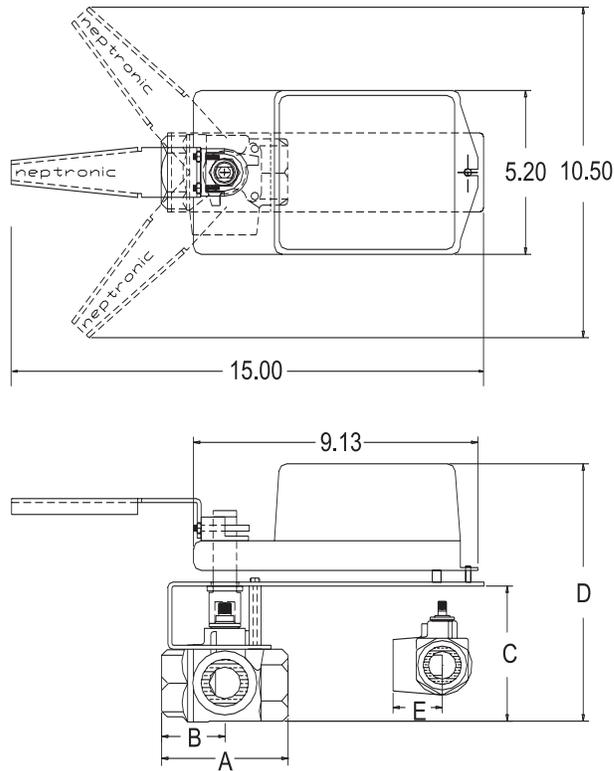


SIZE	Cv	Kv	VALVE MODEL PREFIX	CLOSE OFF PSI	A	B	C	D	E
1"	14	12	ST C0140XS1	300	3.18	1.59	4.00	7.75	1.71
1-1/4"	21	18	ST D0210XS1	300	3.95	1.97	4.30	8.05	2.01
1-1/2"	34	29	ST E0340XS1	150	4.40	2.21	4.70	8.45	2.38

* All dimensions are in Inches.



RT/RM Actuated Valve Assembly



**R SERIES
3 WAY
VALVE
ASSEMBLY**

SIZE	Cv	Kv	VALVE MODEL PREFIX	CLOSE OFF PSI	A	B	C	D	E
2"	47	40	ST F0470XS1	75	4.69	2.34	5.00	8.75	2.50

* All dimensions are in Inches.