

DESCRIPTION & SPEC

2 WAY FULL PORT BALL VALVES

neptronic



For 2 Way control of hot water or chilled water up to 50% Glycol.



Description

The **Full Port Series** are actuated 2 Way **Ball Valves** that can provide digital or analog control of hot and chilled water systems up to 50% glycol. Each unit is comprised of a rotary actuator and linkage assembly coupled to the valve body that offers high flow and positive Close-Off with low torque.

The standard full port design is less restrictive than other styles, providing high flow characteristics with low pressure drops.

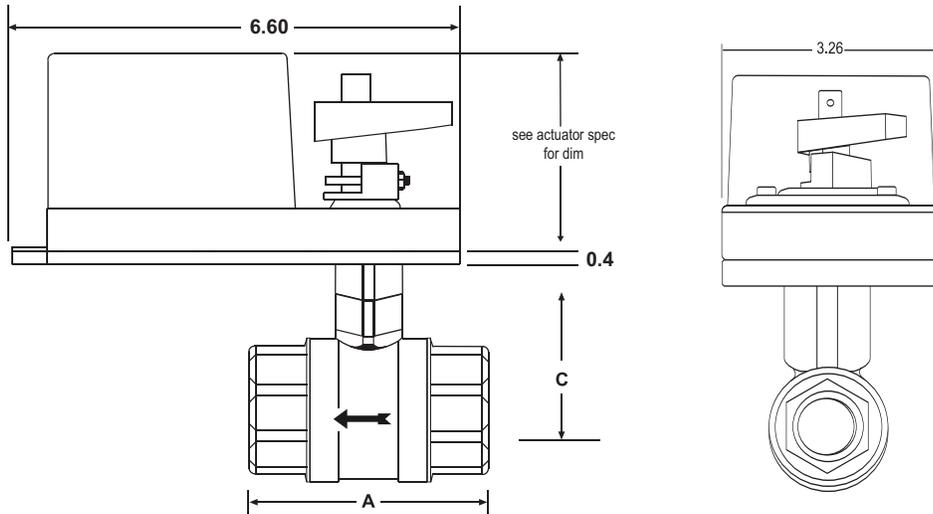
Valve sizing ranges from 1/2 inch to 3 inches with a Close-Off pressure of 100 PSIG. These low profile, compact units are able to be installed with ease in the often tight, restricted areas found in unit ventilators, fan coils, terminal reheat coils and larger air handlers.

Specifications

Valve Flow Type:	2 Way: Equal Percentage
Static Pressure & Temperature:	360 PSI, -22°F to +250°F (-30°C to +121°C)
Differential:	35 PSIG Maximum
Maximum Close-Off Pressure:	100 PSIG Maximum (130 PSIG max. for 1/2" and 3/4")
Body:	Forged Brass ASTM B283
Ball & Stem:	Nickel Plated Brass & Brass, Respectively, or Stainless Steel
Stem Seals:	EPDM "O" Rings
Seats:	Reinforced Teflon Seals with EPDM "O" Rings
End Connections:	Standard NPT Female



2 Way, NPT Female



VALVE SIZE	Cv	Kv	VALVE MODEL PREFIX	CLOSE OFF PSI	A	C
1/2"	12	10	FP A0120YP1 / FP A0120YS1	130	2.37	2.40
3/4"	29	25	FP B0290YP1 / FP B0290YS1	130	2.64	2.52
1"	54	46	FP C0540YP1 / FP C0540YS1	100	3.05	2.62
1-1/4"	102	88	FP D1020YP1 / FP D1020YS1	100	3.60	2.88
1-1/2"	172	148	FP E1720YP1 / FP E1720YS1	100	3.70	3.36
2"	266	230	FP F2660YP1 / FP F2660YS1	100	4.41	3.57
2-1/2"	202	174	FP G2020YP1 / FP G2020YS1	100	4.70	3.57
3"	145	125	FP H1450YP1 / FP H1450YS1	100	5.02	3.57

* All dimensions are in Inches.