Technical Data/Submittal

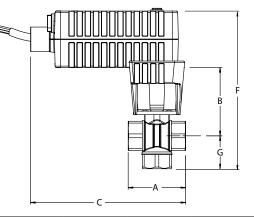
Three-way Threaded Equal Percentage Ball Valves with Non-fail-safe Actuators NEMA 4



Valve Specifications					
Static Pressure/Temp:	360 PSI / 250°F (600 WOG)				
Service:	Chilled water, hot water, up to 50% Glycol				
Flow Characterizing Disc:	Glass Filled Polymer				
Body Material:	Forged Brass ASTM B283				
End Connections:	Brass NPT				
Stem:	Brass				
Stem Seals:	EPDM O-Rings				
Ball:	Nickel-plated brass				
Ball Seals:	Teflon Seals with EPDM O-Rings				
Angle of Rotation:	0–90°				

Dimensions (nominal)

(measured in inches unless noted)



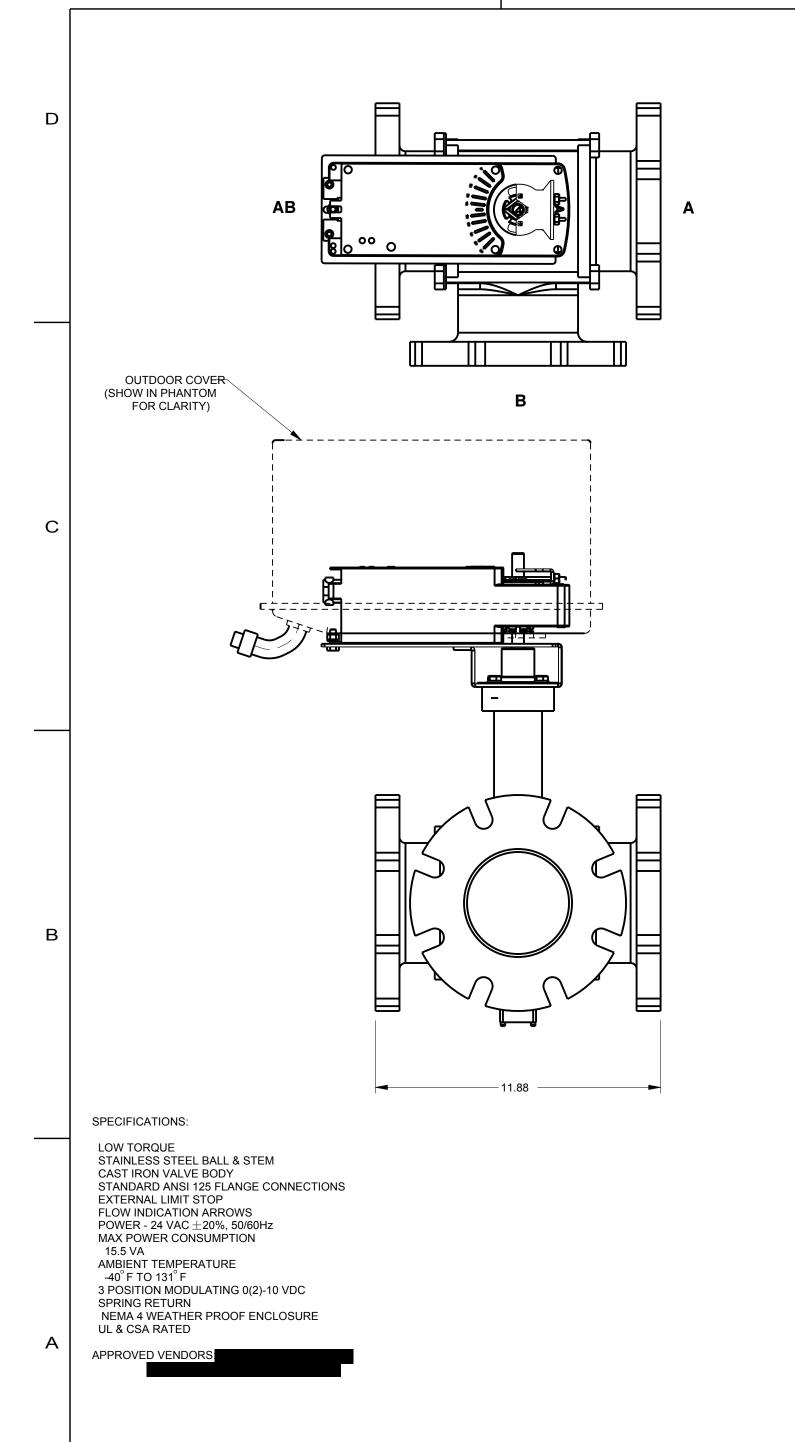
SIZE	A: Length	B:HEIGHT	C:LENGTH	D:DEPTH (NOT SHOWN)	F:HEIGHT	G:HEIGHT
	FNPT	FNPT	FNPT		FNPT	FNPT
0.5	2.6	2.9	6.5	3.0	7.5	2.4
0.75	2.8	2.9	6.6	3.0	7.5	2.0
1	2.8	3.3	6.6	3.0	7.5	2.0
1	3.0	3.4	6.7	3.0	8.0	2.6
1	4.2	3.6	7.3	3.0	9.0	3.3
1.25	3.0	3.4	6.7	3.0	8.0	2.5
1.25	3.6	3.6	7.0	3.0	8.6	2.8
1.5	3.5	3.6	7.0	3.0	8.8	2.8
1.5	4.0	4.1	7.2	3.0	9.6	3.3
2	4.0	4.1	7.2	3.0	9.7	3.3
2	5.0	4.5	7.7	3.0	10.8	3.8
2.5	5.3	4.8	7.8	3.0	11.0	4.0

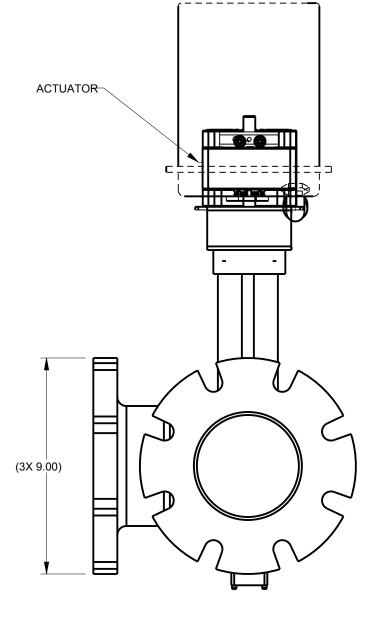


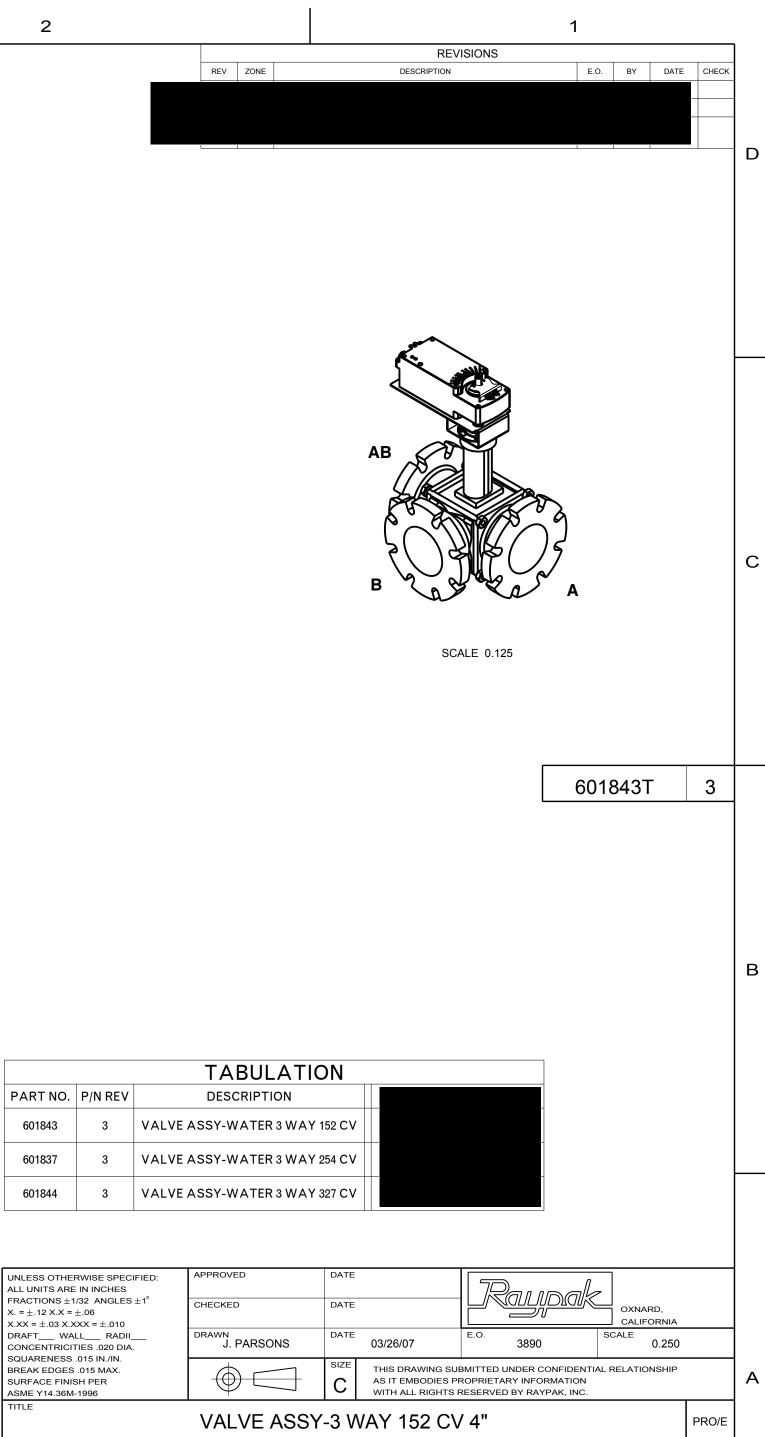
Three-way valve coil and bypass streams flow simultaneously through the ball. Bypass Cv is always 80% of coil Cv so there is always enough pressure drop in bypass mode. Three-way overflow problems are eliminated.

Flow characterizing disc:

- Equal percentage flow mirrors equal percentage coil characteristic.
- Molded from GE NORYL, a blend of a polymide with reinforced modified polymer
 PPE for retention of mechanical properties, chemical resistance, and dimensional stability.
- Because the disc is press fit into the ball where flow exits, the valve is able to modulate where differential pressure is over 160 psi without affecting the disc.
- Tapered shape means the back of the disc is too large to be forced through the ball's port.
- Good chemical resistance to: alcohol, alkalis (base), cooling and heating system liquids (ethylene and propylene glycol), chlorinated water, detergents/ cleaners. Poor chemical resistance to acids (high concentration), hydrocarbons, ketones, phenol.







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SERIES/MODEL

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TITLE

MAT'L.