

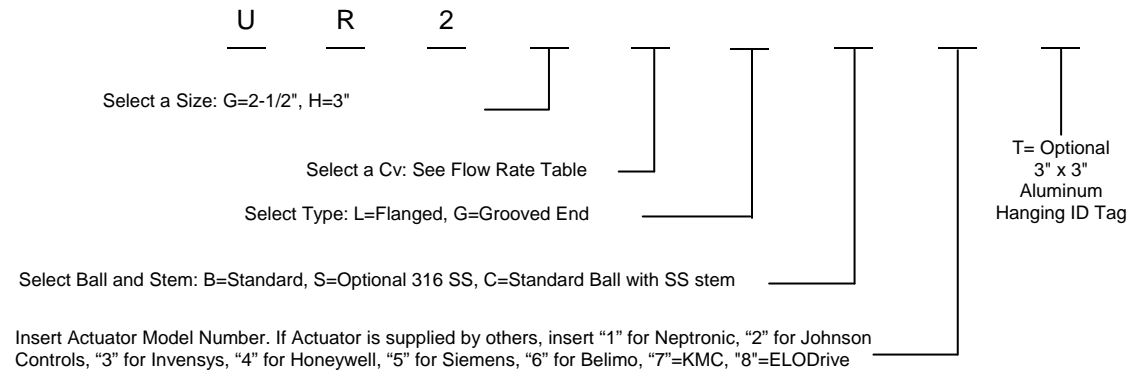
SPECIFICATIONS

Static Pressure/Temp: 360 PSI / 250°F (600 WOG)
Service: Chilled water, hot water, up to 50% Glycol, or contact factory for additional fluids.
Flow Optimizer: Glass Filled Polymer
Body Material: Forged Brass ASTM B283
End Connections: Class 150 Flanges¹ or Grooved End
Field Repairable Stem: Dual Teflon seals and EPDM O-ring
Stem Seals: EPDM O-Rings
Ball Valve: Nickel-Plated Brass Ball
 Optional: Stainless Steel ball
Ball Seals: Teflon Seals with EPDM O-Rings
Angle of Rotation: 0–90°

DIMENSIONS & WEIGHTS (NOMINAL) (measured in inches and lbs unless noted)

SIZE	MODEL NO.	Cv	A: LENGTH ²	B: WIDTH	C: HEIGHT	Bolt Holes	Bolt Hole Diameter	E: HANDLE	WEIGHT
2-1/2"	UR2G__	45.0, 55.0, 72.3, 101,162, 202	7.0	7.0	12.0	4	.75	2.02	22
3"	UR2H__	49.0, 63.0, 82.0, 124, 145	8.9	7.4	12.4	4	.75	2.02	26

MODEL NUMBER SELECTION



NOTES

¹ Flanges are threaded onto MNPT threads but may need tightening after shipping due to vibration to prevent leaks.

² Length is +/- 0.5" due to thread tolerances.

Replaces form F-4346

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Cv SELECTION AND FLOW RATE TABLE (GPM)

LINE SIZE	MODEL NO.	FULL ³ PORT	CLOSE OFF Δ P ⁴	FLOWRATE (GPM) @ DIFFERENTIAL PRESSURE (PSI) ACROSS VALVE											
				2-Position HVAC Apps		HVAC Modulating Apps									
				Cv ⁵		0.5	1.0	1.5	2.0	2.5	3.0	3.5	4.0	4.5	5.0
2-1/2"	UR2G2_		100PSI	31.8	45.0	55.1	63.6	71.2	77.9	84.2	90.0	95.5	100.6	119.1	142.3
	UR2G3_			38.9	55.0	67.4	77.8	87.0	95.3	102.9	110.0	116.7	123.0	145.5	173.9
	UR2G4_			50.9	72.0	88.2	101.8	113.8	124.7	134.7	144.0	152.7	161.0	190.5	228
	UR2G5_			71.4	101.0	123.7	142.8	159.7	174.9	189.0	202.0	214.3	225.8	267.2	319
	UR2G6_			114.6	162.0	198.4	229	256	281	303.1	324	344	362	429	512
	UR2G7_	•		142.8	202	247	286	319	350	378	404	429	452	534	639
3"	UR2H1_		100PSI	34.6	49.0	60.0	69.3	77.5	84.9	91.7	98.0	103.9	109.6	129.6	155.0
	UR2H2_			44.5	63.0	77.2	89.1	99.6	109.1	117.9	126.0	133.6	140.9	166.7	199.2
	UR2H3_			58.0	82.0	100.4	116.0	129.7	142.0	153.4	164.0	173.9	183.4	217	259
	UR2H4_			87.7	124.0	151.9	175.4	196.1	215	232	248	263	277	328	392
	UR2H5_			102.5	145.0	177.6	205	229	251	271	290	308	324	384	459
	UR2H5_	•													

NOTES

- ³ These valves are full port and do not have the Optimizer insert.
- ⁴ Close-Off Pressures measured with 35 in-lb. actuator. The "Close Off Pressure" is the maximum allowable pressure drop across the valve body when the valve is fully closed.
- ⁵ Cv is defined as the quantity of water in GPM at 60°F that will flow through a given valve with a pressure drop of 1PSI. Hence the 1.0 PSI pressure differential column in the table above is equivalent to the Cv value.

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