

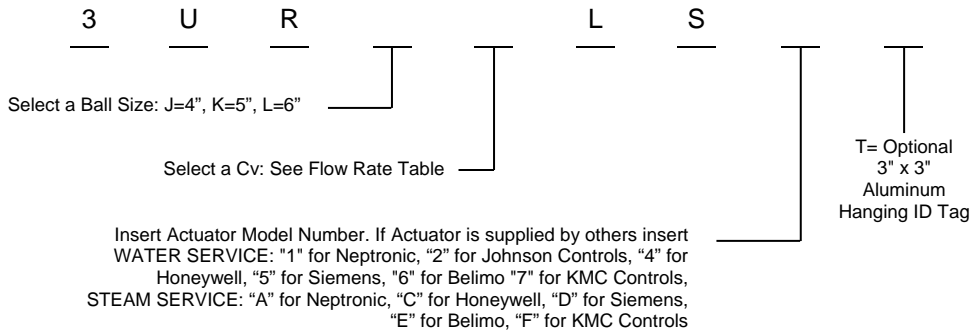
**SPECIFICATIONS**

**Static Pressure/Temp:** 240 PSI / 250°F  
**Service:** Chilled water, hot water, up to 50% Glycol, low pressure steam up to 15 psi, or contact factory for additional fluids.  
**Body Material:** Cast Iron ASTM A395, 60-40-18  
**End Connections:** ANSI Class 125  
**Stem:** Stainless Steel  
**Stem Seals:** EPDM O-Rings  
**Ball Valve:** Stainless Steel  
**Ball Seals:** Teflon Seals  
**Angle of Rotation:** 0–90°

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

SIZE	MODEL NO.	Cv	A:LENGTH	B:HEIGHT	C:LENGTH <sup>1</sup>	D:DEPTH (NOT SHOWN)	E:HEIGHT	WEIGHT
4"	3URJ__	91, 118, 152, 197, 254	11.0	9.0	13.3	9.0	18.8	65
5"	3URK__	144, 185, 240, 309, 400	12.4	10.0	14.3	10.0	19.0	75
6"	3URL__	208, 268, 346, 441, 577, 650	13.9	11.0	15.1	11.0	19.9	90

**MODEL NUMBER SELECTION**



**NOTES**

<sup>1</sup> Dimension "C" is maximum length, which is measured from end flange or mounting plate, whichever extends farther.

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**Cv SELECTION AND FLOW RATE TABLE (GPM)**

LINE SIZE	MODEL NO.	CLOSE OFF $\Delta$ P <sup>2</sup>	FLOWRATE (GPM) @ DIFFERENTIAL PRESSURE (PSI) ACROSS VALVE											
			2-Position HVAC Apps		HVAC Modulating Apps									
			0.5	Cv <sup>3</sup>	1.5	2.0	2.5	3.0	3.5	4.0	4.5	5.0	7.0	10.0
4"	3URJ1_	70PSI	64.3	91	111	129	144	158	170	182	193	203	241	288
	3URJ2_		83.4	118	145	167	187	204	221	236	250	264	312	373
	3URJ3_		107.5	152	186	215	240	263	284	304	322	340	402	481
	3URJ4_		139.3	197	241	279	311	341	369	394	418	441	521	623
	3URJ5_		179.6	254	311	359	402	440	475	508	539	568	672	803
5"	3URK1_	70PSI	101.8	144	176	204	228	249	269	288	305	322	381	455
	3URK2_		130.8	185	227	262	293	320	346	370	392	414	489	585
	3URK3_		169.7	240	294	339	379	416	449	480	509	537	635	759
	3URK4_		218.5	309	378	437	489	535	578	618	655	691	818	-
	3URK5_		282.8	400	490	566	632	693	748	800	849	894	-	-
6"	3URL1_	70PSI	147.1	208	255	294	329	360	389	416	441	465	550	658
	3URL2_		189.5	268	328	379	424	464	501	536	569	599	709	847
	3URL3_		244.7	346	424	489	547	599	647	692	734	774	915 <sup>4</sup>	-
	3URL4_		311.8	441	540	624	697	764	825	882	936 <sup>4</sup>	-	-	-
	3URL5_		408.0	577	707	816	912 <sup>4</sup>	999 <sup>4</sup>	-	-	-	-	-	-
	3URL6_		459.6	650	796	919 <sup>4</sup>	-	-	-	-	-	-	-	-

**NOTES**

- <sup>2</sup> Close-Off Pressures measured with 88 in-lb. actuator for 4"-5" valves. Close-Off Pressures measured with 140 in-lb actuator for 6" valve, up to 700 gpm. For flowrates greater than 700 gpm a 200 in-lb actuator is recommended. The "Close Off Pressure" is the maximum allowable pressure drop across the valve body when the valve is fully closed.
- <sup>3</sup> 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.
- <sup>4</sup> Due to high velocity, flowrates of 900 gpm and higher may result in water noise.

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ACTUATOR MODEL NUMBER SELECTION

Siemens	GLB131.1P	GLB136.1P	GLB161.1P	GLB166.1P	GEB131.1P	GEB136.1U	GEB161.1P
Torque of 88 in-lb – 4" and 5"	•	•	•	•			
Torque of 132 in-lb – 4" to 6"					•	•	•
Control Signal: 3 Point	•	•			•	•	
Control Signal: Modulating 0–10VDC			•	•			•
Power Supply 24 VAC	•	•	•	•	•	•	•
Speed: 125 sec	•	•	•	•	•	•	•
Built-In Auxiliary Switches		•		•		•	
Nema 1 Enclosure					•	•	•
Nema 2 Enclosure	•	•	•	•			

Siemens	GCA121.1P	GCA131.1P	GCA136.1P	GCA161.1P	GCA166.1P
Torque of 142 in-lb – 4" to 6"	•	•	•	•	•
Control Signal: On/Off	•				
Control Signal: 3 Point		•	•		
Control Signal: Modulating 0–10 VDC				•	•
Power Supply 24 VAC	•	•	•	•	•
Speed: 90 sec	•	•	•	•	•
Built-In Auxiliary Switches			•		•
Nema 2 Enclosure	•	•	•	•	•
Fail Safe (Spring Return)	•	•	•	•	•

KMC CONTROLS	MEP-4951	MEP-4952	MEP-4972	MEP-4954	MEP-4974
Power Supply	24 Vac	24 Vac	24 Vac	24 Vac	24 Vac
Torque of 90 in-lb – 4" and 5"	•	•	•	•	•
Control Signal: On/Off				•	•
Control Signal: 3 Point	•				
Control Signal:		Modulating 2-10VDC	Modulating 2-10VDC		
Speed	< 45 sec	< 80 sec	< 80 sec	< 45 sec	< 45 sec
Fail Safe (Capacitor)	•	•	•	•	•
Built-in Auxiliary Switches			•		•
Operating Power	6VA	6 VA	6 VA	6 VA	6 VA
Mounting Clip	9656-762	9656-762	9656-762	9656-762	9656-762
Weight	1.5 pounds	1.5 pounds	1.5 pounds	1.5 pounds	1.5 pounds

The Griswold Controls Universal Large Mounting Plate is also compatible with the following actuators.

**Honeywell:** ML6284A1027, MN6120A1002, MN6120A1200, MN6134A1003, MN7220A2205, MN7510A2209, MN7510A2001, MN6110A1201, MN6110A1003, MS3110/MS3120/ MS4110/MS4120/ MS4610/MS4620/ MS7110/MS7120/ MS7510/MS7520/ MS8110/MS8120

**Schneider Electric:** MF41-6153, MS41-6153, MA4x-7153, MA4x-7153-502, MS4x-7153, MS4x-7153-502, MF4x-7153, MF4x-7153-502,

**Johnson Controls:** M9116-xxx-2, 9124-xxx-2, 9132-xxx-2, M9216-xGx-2, M9208-Bxx-3, M9106-xGx, M9208-GGx-x, M9109, M9220-xxx-3

**Belimo:** AM24, AM24-SR, AF24, AF24-SR, AFB24, AFB24-SR, AFX24, NFB24, NFX24, AFB24-S, AFB24-SR-S, AFX24-S, NFB24-S, NFX24-S, AFB24-MFT, AFB24-SR-MFT, AFX24-MFT, NFB24-MFT, NFX24-MFT, AFB24-MFT-S, AFB24-SR-MFT-S, AFX24-MFT-S, NFB24-MFT-S, NFX24-MFT-S

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