



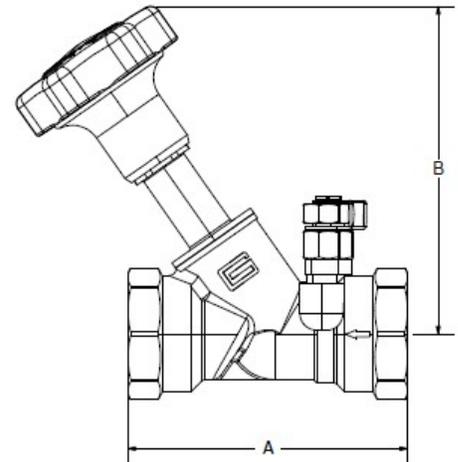
**SPECIFICATIONS**

**PSI/Temperature Rating:** 362 PSI / -4°F to 248°F  
**Service:** Chilled water, hot water, up to 50% Glycol, or contact factory for additional fluids.  
**Flow Element:** Orifice  
**Body Material:** Bronze  
**Shaft and Plug Material:** CW602N (DZR Brass)  
**End Connections:** Female -NPT  
**Body Tappings:** Two P/T Test Valves (Red = High Pressure) with EPDM seals  
**Hand Wheel:** 30% Glass Filled PA-66 with four full turns (seven positions) and built-in Memory Stop<sup>1</sup>  
**Hand Wheel Cover:** ABS

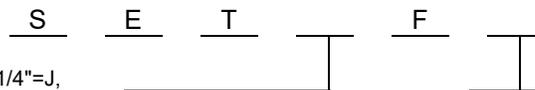
**DIMENSIONS & WEIGHTS (NOMINAL)**

All dimensions are for planning purposes only and may change without notice.

SIZE	MODELNO.	A LENGTH	B HEIGHT	WEIGHT (LBS)
1/2"	SETEF	3.4	4.3	1.2
3/4"	SETFF	3.8	4.4	1.4
1"	SETHF	3.9	4.5	1.9
1-1/4"	SETJF	4.5	5.3	2.3
1-1/2"	SETKF	4.9	5.8	3.2
2"	SETLF	5.7	5.9	4.6



**MODEL NUMBER SELECTION**



Select a size (1/2"=E, 3/4"=F, 1"=H, 1-1/4"=J, 1-1/2"=K, 2"=L)

T=Optional  
 3"x3"  
 Aluminum  
 Hanging  
 I.D. Tag

**NOTES**

<sup>1</sup> S3 Allen Key or T15 Torx Bit tool required to set memory stop.

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FLOW RATES

SIZE	FLOW GPM <sup>(2)</sup> @4 FT/SEC	Cv <sup>(3)</sup>							ORIFICE Vf <sup>4</sup>	GPM RANGE FOR 1"-100" W.C. ΔP	GPM RANGE FOR 1"-300" W.C. ΔP
		1	1.5	2	2.5	3	3.5	4 <sup>5</sup>			
1/2"	3.8	0.34	0.53	0.73	0.98	1.47	1.9	2.16	.483	0.48 – 4.9	0.48 – 8.4
3/4"	6.7	0.46	0.68	0.92	1.72	2.44	3.24	3.63	1.010	1.0 – 10.1	1.0 – 17.5
1"	10.8	1.06	1.55	2.05	2.65	3.95	5.57	6.46	1.867	1.9 – 18.7	1.9 – 32.5
1-1/4"	18.7	0.83	1.35	4.07	7.62	10.18	11.68	12.48	3.668	3.7 – 36.5	3.7 – 63.5
1-1/2"	25.4	1.48	2.54	5.78	11.43	16.76	19.42	20.92	5.733	5.7 – 57.5	5.7 – 99.4
2"	41.9	2.25	6.42	13.87	21.39	27.17	30.75	33.64	9.489	9.5 – 95.0	9.5 – 164.5

NOTES

<sup>2</sup> The generally accepted upper limit as recommended by ASHRAE to prevent pipe noise is 4 ft/sec.

<sup>3</sup> Cv is the GPM of water at 1 PSID drop through the valve at the specific setting. Cv's are used to calculate the permanent pressure drop across valve for pump sizing.  $PSID = (Flow/Cv)^2$ .

<sup>4</sup> Vf is used to set valve or for flow measurement.  $INCHES H_2O = (Flow/Vf)^2$

<sup>5</sup> Setting 4 is a full open valve