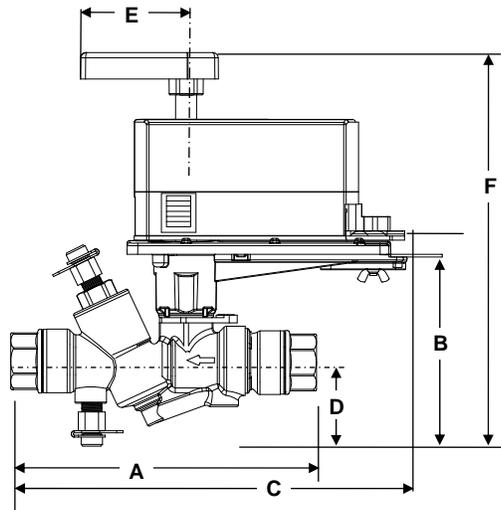


PRESSURE INDEPENDENT CONTROL VALVE SPECIFICATIONS



- Static Pressure:** 360 PSI
- Temperature Range:** -22°F to 250°F
- 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 B283-06
- End Connections:** Brass
- Stem:** Brass
- Stem Seals:** EPDM O-Rings
- Ball Valve:** Nickel-plated brass ball
Optional: Stainless Steel ball
- Field Repairable Stem:** Dual Teflon seals and EPDM O-ring
- Ball Seals:** Teflon Seals with EPDM O-Rings
- Accessories:** Combination P/T Test Valve and Manual Air Vent (CPTA) Standard

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

SIZE	A LENGTH ¹	B HEIGHT	C LENGTH ¹	D HEIGHT	E HANDLE	F HEIGHT ²	WEIGHT	
1/2"	5.7	5.3	8.6	2.0	2.5	10.0	2.5	
3/4"	5.7		8.6					
1"	5.9		8.7					
1"L	9.5	6.0	11.3	2.5		10.5		7.1
1-1/4"	9.0		11.0					
1-1/2"	8.8		10.8					
1-1/2"L	10.8	6.8	12.6	3.0	11.5	13.7		
2"	11.0		13.0					
2-1/2"	11.5		13.3					
3"	12.8		14.4					

NOTES:

¹ Length measured with fixed end FNPT; SWT end connection may be longer.

² Height is measured with 5.3" long shaft. If Neptonic, KMC Controls, or Siemens actuators are used deduct 1.3" from the height.

Replaces form F-4353

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HIGH LIMIT FLOW RATES (+/-5%)

To correctly size your valve, select a high limit flow rate that is equal to or greater than the required flow rate.

SIZE	MODEL NO.	PSID RANGE	HEAD LOSS IN FEET ³	CLOSE-OFF PSID	GPM
1/2", 3/4", 1"	SPIV0	3-35	6.9	100	1.0, 2.0, 3.0, 4.0, 5.0, 6.0, 7.0
3/4", 1"		6-35	13.8		8.0, 9.0, 10.0, 11.0, 15.0
1"L, 1-1/4", 1-1/2"	SPIV1	4-50	9.2		10, 15, 20
		5-50	11.5		25,30
1-1/4", 1-1/2"	SPIV2	6.5-50	14.9		35
1-1/2"L, 2", 2-1/2",3"		4-58	9.2		25, 30, 35
		6-58	13.8		40, 45, 50
		7-58	16.1		55, 60, 65, 70, 75, 80, 85
		11-58	25.3		95

MODEL NUMBER SELECTION

S P I V X

Select a Housing Size: 0=1/2"-1",
1=1"L-1-1/2", 2=1-1/2"L-3"

Select Ball and Stem Package (P=Plated Ball,
S=SS Ball and Stem)

Valve	FIXED END	
	Female Threaded	Female Sweat
SPIV0	1/2"=E, 3/4"=F, 1"=G	1/2"=L, 3/4"=M, 1"=N
SPIV1	1"=G, 1-1/4"=P, 1-1/2"=Q	1"=N, 1-1/4"=K, 1-1/2"=W
SPIV2	1-1/2"=Q, 2"=R, 2-1/2"=S, 3"=T	1-1/2"=W ⁴ , 2"=Y

T= Optional
3" x 3"
Aluminum
Hanging ID Tag

Extension Kit (0=No,
1=1-1/2". 2=2")

SIZE	MODEL NO.	FLOWS
1/2", 3/4", 1"	SPIV0	1.0, 2.0, 3.0, 4.0, 5.0, 6.0, 7.0
3/4", 1"		8.0, 9.0, 10.0, 11.0, 15.0
1"L, 1-1/4", 1-1/2"	SPIV1	10, 15, 20
1-1/4", 1-1/2"		25,30
1-1/2"L, 2", 2-1/2",3"	SPIV2	35
		25, 30, 35
		40, 45, 50
		55, 60, 65, 70, 75, 80, 85
2", 2-1/2",3"		95

Insert Actuator Model Number. If Actuator is supplied by others, insert "1" for Neptronic, "2" for Johnson Controls, "3" for Schneider Electric, "4" for Honeywell, "5" for Siemens, "6" for Belimo, "7" for KMC Controls

NOTES:

³ Head loss in feet is required for pump head calculations. (1 PSI = 2.307 feet of water).

⁴ Sweat fixed end not available for this size. A fixed end with sweat adapter can be used as a substitute.

Replaces form F-4353

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