



TEMPERATURE CONTROLLERS... PORTABLE CHILLERS... CENTRAL CHILLERS... PUMP TANK STATIONS... TOWER SYSTEMS...

**SUBJECT: K-5 SYSTEM BALANCE VALVES**

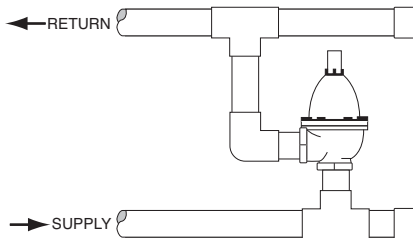
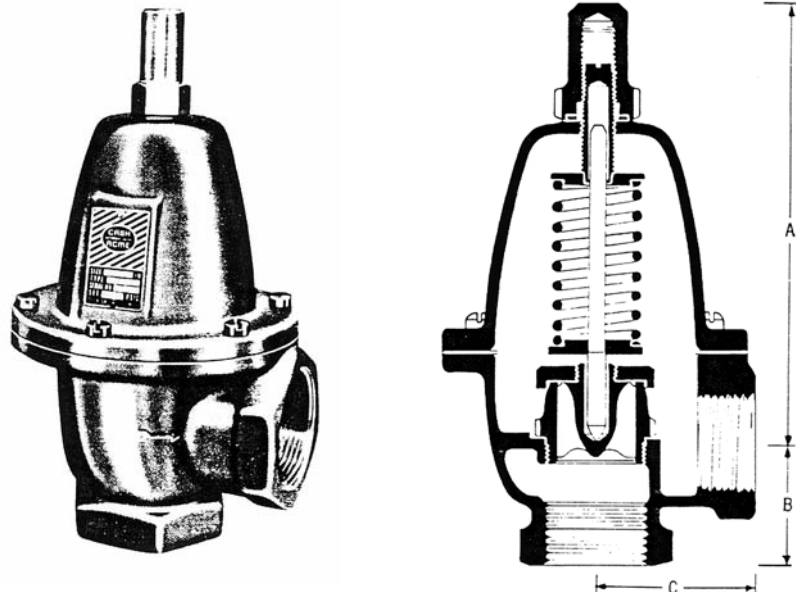
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For plant wide distribution of chiller or tower water, **ADVANTAGE** recommends a system balance valve be installed between the "to process" and "from process" lines. The use of this valve prevents dead heading of the process pump in low load or low flow situations. **ADVANTAGE** suggest the installer use the **CASH-ACME** Type K-5 angle type back pressure valve.

The K-5 valve is a high capacity angle by-pass regulator or back pressure control valve. System pressure to be regulated is connected to the bottom (inlet). The system excess to be returned to the reservoir tank is connected to the side (outlet). See typical installation below.



TYPE	SIZE (INCHES)	DIMENSIONS (INCHES)			SHIPPING WEIGHT (POUNDS)
		A	B	C	
K-5	1	5 5/8	1 1/2	2	2
K-5	1 1/4	6 19/32	1 25/32	2 7/16	2 7/16
K-5	1 1/2	6 11/16	2	2 1/2	2 1/2
K-5	2	7 9/16	2 1/4	3	3

The K-5 can also be used to maintain a certain pressure difference across the process. The adjustable spring provides for various pressure settings within its range. See capacity information below. Maximum temperature is 400°F.

Type K-5 is available in 1", 1 1/4", 1 1/2" and 2" sizes. Features include: bronze body and trim, screwed ends, bottom and side female connections, brass spring chamber, stainless steel adjustment spring, asbestos gaskets. Type K-5C has a silicone rubber seat disc to provide for tight shut-off.

This valve or an equivalent can be obtained at a local plumbing supply house.

SET PRESSURE PSIG *	INLET SIZE							
	1"		1 1/4"		1 1/2"		2"	
	10% RISE	20% RISE	10% RISE	20% RISE	10% RISE	20% RISE	10% RISE	20% RISE
10	21	24	28	35	32	40	38	60
15	26	32	38	44	42	52	52	76
20	29	37	48	57	52	68	60	94
30	34	45	58	67	62	76	78	110
40	38	50	70	78	74	92	86	122
50	40	53	76	86	82	102	94	132
60	43	56	82	98	88	116	102	140
75	48	63	88	107	98	128	118	158
100	52	67	102	120	106	140	136	176
125	56	70	108	128	116	160	152	188
150	60	72	118	138	124	170	184	200

\*Set pressures are based upon valve discharge into an atmospheric pressure return line. If return line pressure is significantly higher than atmospheric pressure, then consult factory for capacity information. For set pressures less than 10 PSI, consult the factory.