

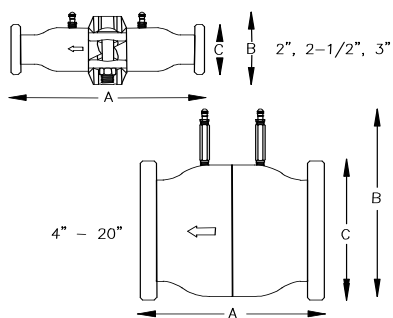
SPECIFICATIONS

PSI / Temperature Rating: 230 PSIG / 300° F¹
Cartridge: AISI Type 304 stainless steel
 AISI Type 17-7 PH stainless steel spring
Body Material: Steel pipe schedule 40 (with cast iron grooved end clamps on 2"-3")
Body Tappings: 1/4" NPT with P/T test valves
Assembly: Valve comes fully assembled.
Flanges: Flanges are compatible with ANSI B 16.5-1968 150 lb. Steel flanges OR ANSI B 16.5-1968 300 lb. Steel flanges. Specify class when ordering.

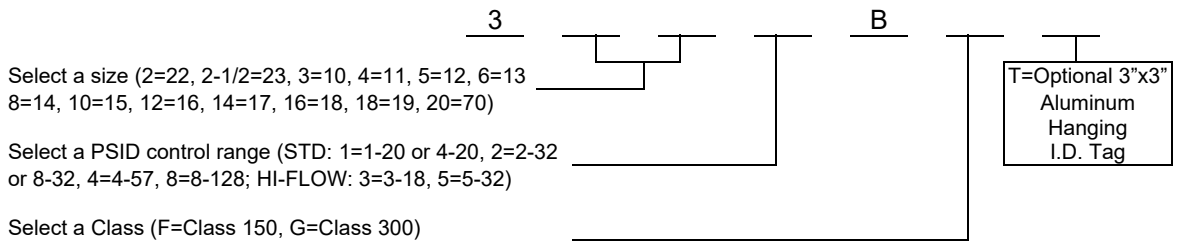
DIMENSIONS & WEIGHTS (NOMINAL)

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

SIZE	MODEL NO.		A LENGTH		B HEIGHT	C WIDTH	WEIGHT (LBS.)
	Class 150	Class 300	Class 150	Class 300			
2"	322 BF	322 BG	13.0	13.0	4.56	6.0	25
2-1/2"	323 BF	323 BG	11.8	11.8	4.56	7.0	20
3"	310 BF	310 BG	11.8	11.8	4.56	7.5	27
4"	311 BF	311 BG	18.4	19.5	8.62	9.0	63
5"	312 BF	312 BG	13.8	14.8	8.62	10.0	63
6"	313 BF	313 BG	13.8	14.8	8.62	11.0	72
8"	314 BF	314 BG	18.1	19.5	12.75	13.5	121
10"	315 BF	315 BG	18.3	19.6	12.75	16.0	165
12"	316 BF	316 BG	29.3	30.6	16.00	19.0	300
14"	317 BF	317 BG	41.2	42.6	20.00	21.0	479
16"	318 BF	318 BG	42.8	44.4	24.00	23.5	636
18"	319 BF	319 BG	43.0	44.6	24.00	25.0	690
20"	370 BF	370 BG	43.2	44.8	24.00	27.5	760



MODEL NUMBER SELECTION²



NOTES

¹ 2, 2-1/2" and 3" valves have a 230F temperature limitation. Contact factory for a higher temperature option if necessary.
² Model no. and flow rate are indicated on label affixed to body.

FLOW RATES (+/-5%)

TYPE OF CARTRIDGE:		STANDARD FLOW				
LINE SIZE	MODEL NO.	CONTROL RANGE (PSID)	1-20	2-32	4-57	8-128
		HEAD LOSS IN FEET ³	3.0	7.4	13.4	30.0
		MIN. AVAILABLE GPM	14	17.5	23.33	35
		GPM INCREMENTS	2.0	2.5	3.33	5.0
2 to 3	322_,323_,310_	Maximum GPM	60	75	100	150
4	311_	Maximum GPM	180	225	300	450
5	312_	Maximum GPM	180	225	300	450
6	313_	Maximum GPM	180	225	300	450
8	314_	Maximum GPM	360	450	600	900
10	315_	Maximum GPM	480	600	800	1,200
12	316_	Maximum GPM	840	1,050	1,400	2,100
14	317_	Maximum GPM	1,200	1,500	2,000	3,000
16	318_	Maximum GPM	1,560	1,950	2,600	3,900
18	319_	Maximum GPM	2,040	2,550	3,400	5,100
20	370_	Maximum GPM	2,040	2,550	3,400	5,100

TYPE OF CARTRIDGE:		STANDARD FLOW HIGH CAPACITY		
LINE SIZE	MODEL NO.	NOMINAL CONTROL RANGE (PSID)	4-20	8-32
		HEAD LOSS IN FEET ³	9.2	18.4
		GPM INCREMENTS	20.0	25.0
2 to 3	322_,323_,310_	Minimum GPM	90	110
		Maximum GPM	130	160

TYPE OF CARTRIDGE:		HI - FLOW				
LINE SIZE	MODEL NO.	NOMINAL CONTROL RANGE (PSID)	3-18 (LOW INCREMENTS)	3-18 (HIGH INCREMENTS)	5-32 (LOW INCREMENTS)	5-32 (HIGH INCREMENTS)
		MAX. PRES. DIFF. (PSI)	18	18	32	32
		HEAD LOSS IN FEET ³	5.8	5.8	11.5	11.5
		GPM INCREMENTS	2.0	N/A	2.5	N/A
2 to 3	322_,323_,310_	Minimum GPM	N/A	N/A	N/A	N/A
		Maximum GPM	N/A	N/A	N/A	N/A
4	311_	Minimum GPM	100	300	135	535, 560, 600
		Maximum GPM	260		475	
5	312_	Minimum GPM	100	300	135	535, 560, 600
		Maximum GPM	260		475	
6	313_	Minimum GPM	100	300	135	535, 560, 600
		Maximum GPM	260		475	
8	314_	Minimum GPM	100	600	135	1135, 1160, 1200
		Maximum GPM	560		1,075	
10	315_	Minimum GPM	100	800	135	1535, 1560, 1600
		Maximum GPM	760		1,475	
12	316_	Minimum GPM	100	1,400	135	2735, 2760, 2800
		Maximum GPM	1,360		2,675	
14	317_	Minimum GPM	100	2,000	135	3935, 3960, 4000
		Maximum GPM	1,960		3,875	
16	318_	Minimum GPM	100	2,600	135	5135, 5160, 5200
		Maximum GPM	2,560		5,075	
18	319_	Minimum GPM	100	3,400	135	6735, 6760, 6800
		Maximum GPM	3,360		6,675	
20	370_	Minimum GPM	100	3,400	135	6735, 6760, 6800
		Maximum GPM	3,360		6,675	

NOTES

³ Head Loss in Feet is provided for pump head calculations. (1 PSI = 2.307 Feet of Water)