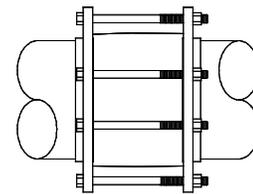
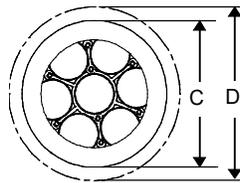
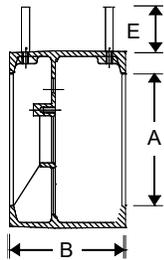




SPECIFICATIONS

PSI/Temperature Rating: 360 PSI / 275° F
Cartridge: AISI Type 304 stainless steel
 AISI Type 17-7 PH stainless steel spring
Body Material: Ductile Iron ASTM A536 GR60-40-18
Body Tappings: 1/4" NPT with P/T test valves
Assembly: Valve comes fully assembled. Pressure and Temperature port extensions are shipped loose.
Flanges: Wafer valves are compatible with ANSI B 16.5-1968 150 lb. steel flanges and ANSI B 16.1-1967 125 lb cast iron flanges.



DIMENSIONS & WEIGHTS (NOMINAL)

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

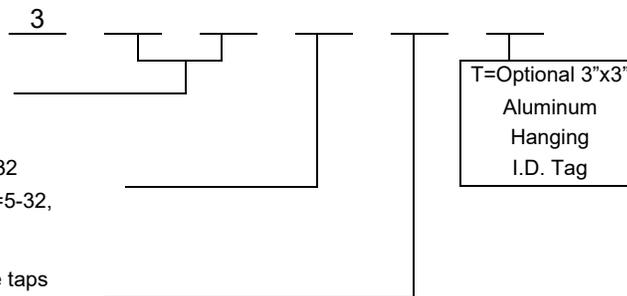
A LINE SIZE	MODEL NO.	B (+/- .03)	C (+/- .06)	D REF ONLY FLG. DIA.	E	STUDS ¹ (SUPPLIED BY GRISWOLD)		WEIGHT (LBS.)
						QTY	SIZE	
2-1/2 / 3 ²	329	6.75	4.62	7.50	5.50	4	5/8	17
4	332	7.75	6.88	9.00	5.50	8	5/8	33
6	334	7.25	8.62	11.00	5.50	8	3/4	42
8	337	7.25	10.88	13.50	5.50	8	3/4	57
10	368	8.00	13.44	16.00	5.50	12	7/8	93
12	369	8.00	16.00	19.00	5.50	12	7/8	137
14	339	8.00	17.63	21.00	5.50	12	1	177
16 ³	384	9.50	20.12	23.50	5.50	16	1	291
18	385	9.50	21.50	25.00	5.50	16	1-1/8	405
20	338	11.00	23.88	27.50	5.50	20	1-1/8	520
24	386	11.00	28.12	32.00	5.50	20	1-1/4	896

MODEL NUMBER SELECTION

Select a size (2-1/2 or 3=29, 4=32, 6=34, 8=37, 10=68, 12=69, 14=39, 16=84, 18=85, 20=38, 24=86)

Select a PSID control range (STD: 1=1-20 or 4-20, 2=2-32 or 8-32, 4=4-57, 8=8-128; HI-FLOW: 3=3-18, H=3-32, 5=5-32, 7=7.5-32)

Insert "A" for pressure taps, "B" for pressure/temperature taps



NOTES

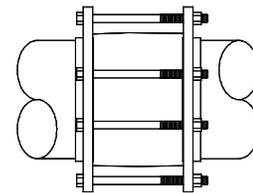
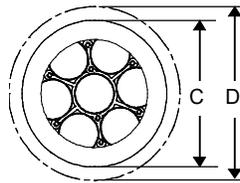
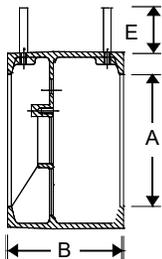
¹ Plated Steel Studs and Nuts are supplied by Griswold Controls.
² Valve compatible with 2-1/2" and 3" ANSI flanges. Class 150 Only.
³ 16" and larger are supplied with an eyebolt for lifting.

CLASS 300 WAFER



SPECIFICATIONS

PSI/Temperature Rating: 600 PSI / 250° F
Cartridge: AISI Type 304 stainless steel
 AISI Type 17-7 PH stainless steel spring
Body Material: Ductile Iron, ASTM A536-65T, Class 60-45-18
Body Tappings: 1/4" NPT with P/T test valves
Assembly: Valve comes fully assembled. Pressure and Temperature port extensions are shipped loose.
Flanges: Sizes 3" - 20" are compatible with ANSI B 16.5-1968 300 lb. steel flanges. Steel flanges and are also compatible with ANSI B 16.1-1967 250 lb. See flange rating for more details.



DIMENSIONS & WEIGHTS (NOMINAL)

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

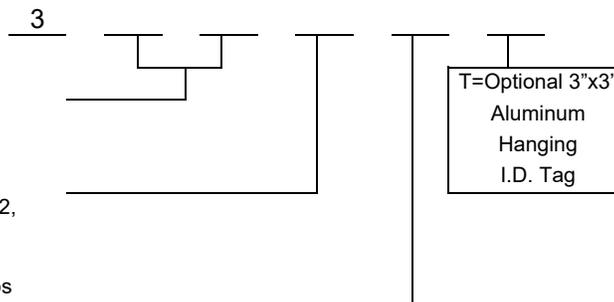
A LINE SIZE	MODEL NO.	B (+/-0.03)	C (+/-0.06)	D REF ONLY FLG. DIA.	E	STUDS ⁴ (SUPPLIED BY GRISWOLD)		WEIGHT (LBS.)
						QTY	SIZE	
3	345	6.75	5.88	8.25	5.50	8	3/4	26
4	346	7.75	7.13	10.00	5.50	8	3/4	49
6	347	7.25	9.88	12.50	5.50	12	3/4	62
8	348	7.25	12.13	15.00	5.50	12	7/8	103
10	343	8.00	14.12	17.50	5.50	16	1	161
12	344	8.00	16.50	20.50	5.50	16	1-1/8	241
14	349	8.00	19.13	23.00	5.50	20	1-1/8	364
20 ⁵	350	11.00	25.75	30.50	5.50	24	1-1/4	850

MODEL NUMBER SELECTION

Select a size (3=45, 4=46, 6=47, 8=48, 10=43, 12=44, 14=49, 20=50)

Select a PSID control range (STD: 1=1-20 or 4-20, 2=2-32 or 8-32, 4=4-57, 8=8-128; HI-FLOW: 3=3-18, H=3-32, 5=5-32, 7=7.5-32)

Insert "A" for pressure taps, "B" for pressure/temperature taps



NOTES

⁴ Plated Steel Studs and Nuts are supplied by Griswold Controls.

⁵ 20" and larger are supplied with an eyebolt for lifting

FLOW RATE TABLES PER TYPE OF CARTRIDGE (+/-5%)

TYPE OF CARTRIDGE:				STANDARD FLOW (GPM)				
LINE SIZE	MODEL NO. CLASS 150	MODEL NO. CLASS 300	CONTROL RANGE (PSID)	1-20	2-32	4-57	8-128	
			HEAD LOSS IN FEET ⁶	3.0	7.4	13.4	30.0	
			MINIMUM FLOW GPM	14	17.5	23.33	35	
				GPM INCREMENTS ⁸	2.0	2.5	3.33	5.0
2-1/2 ⁷ & 3	329	345	MAXIMUM FLOW GPM	60	75	100	150	
4	332	346	MAXIMUM FLOW GPM	120	150	200	300	
6	334	347	MAXIMUM FLOW GPM	240	300	400	600	
8	337	348	MAXIMUM FLOW GPM	420	525	700	1,050	
10	368	343	MAXIMUM FLOW GPM	660	825	1,100	1,650	
12	369	344	MAXIMUM FLOW GPM	900	1,125	1,500	2,250	
14	339	349	MAXIMUM FLOW GPM	1,140	1,425	1,900	2,850	
16	384	N/A	MAXIMUM FLOW GPM	1,440	1,800	2,400	3,600	
18	385	N/A	MAXIMUM FLOW GPM	1,860	2,325	3,100	4,650	
20	338	350	MAXIMUM FLOW GPM	2,220	2,775	3,700	5,550	
24	386	N/A	MAXIMUM FLOW GPM	3,300	4,125	5,500	8,250	

TYPE OF CARTRIDGE:				STANDARD FLOW HIGH CAPACITY (GPM)		
LINE SIZE	MODEL NO. CLASS 150	MODEL NO. CLASS 300	CONTROL RANGE (PSID)	4-20	8-32	
			HEAD LOSS IN FEET ⁶	9.2	18.4	
			MINIMUM FLOW GPM	90.0	110.0	
				GPM INCREMENTS ⁸	20.0	25.0
2-1/2 ⁷ & 3	329	345	MAXIMUM FLOW GPM	130	160	

TYPE OF CARTRIDGE:				HI - FLOW (GPM)				
LINE SIZE	MODEL CLASS 150	MODEL CLASS 300	CONTROL RANGE (PSID)	3-18	3-32	5-32	7.5-32	
			HEAD LOSS IN FEET ⁶	5.8	7.4	11.5	17.5	
			GPM INCREMENTS ⁸	2.0	2.5	2.5	2.5	
2-1/2 & 3	329	345	FLOW RANGE	N/A	N/A	N/A	N/A	
				ADDITIONAL FLOWS	N/A	N/A	N/A	
4	332	346	FLOW RANGE	114-160	152.5-210	152.5-275	152.5-375	
				ADDITIONAL FLOWS	200	270	335, 360, 400	435, 460, 500, 600
6	334	347	FLOW RANGE	114-360	152.5-480	152.5-675	152.5-975	
				ADDITIONAL FLOWS	400	540	735, 760, 200	1035, 1060, 1100, 1200
8	337	348	FLOW RANGE	114-660	152.5-885	152.5-1275	152.5-1875	
				ADDITIONAL FLOWS	700	945	1335, 1360, 1400	1935, 1960, 2000, 2100
10	368	343	FLOW RANGE	114-1060	152.5-1425	152.5-2075	152.5-3075	
				ADDITIONAL FLOWS	1100	1485	2135, 2160, 2200	3135, 3160, 3200, 3300
12	369	344	FLOW RANGE	114-1460	152.5-1965	152.5-2875	152.5-4275	
				ADDITIONAL FLOWS	1500	2025	2935, 2960, 3000	4335, 4360, 4400, 4500
14	339	349	FLOW RANGE	114-1860	152.5-2505	152.5-3675	152.5-5475	
				ADDITIONAL FLOWS	1900	2565	3735, 3760, 3800	5535, 5560, 5600, 5700
16	384	N/A	FLOW RANGE	114-2360	152.5-3180	152.5-4675	152.5-6975	
				ADDITIONAL FLOWS	2400	3240	4735, 4760, 4800	7035, 7060, 7100, 7200
18	385	N/A	FLOW RANGE	114-3060	152.5-4125	152.5-6075	152.5-9075	
				ADDITIONAL FLOWS	3100	4185	6135, 6160, 6200	9135, 9160, 9200, 9300
20	338	350	FLOW RANGE	114-3660	152.5-4935	152.5-7275	152.5-10875	
				ADDITIONAL FLOWS	3700	4995	7335, 7360, 7400	10935, 10960, 11000, 11100
24	386	N/A	FLOW RANGE	114-5460	152.5-7365	152.5-10875	152.5-16275	
				ADDITIONAL FLOWS	5500	7425	10935, 10960, 1100	16335, 16360, 16400, 16500

NOTES

⁶ Head Loss in Feet is provided for pump head calculations. (1 PSI = 2.307 Feet of Water)

⁷ 2-1/2" is Class 150 only.

⁸ Flow can be increased from MIN flow to MAX flow in the RANGE in GPM INCREMENTS. Additional EXACT GPMs available in blue.