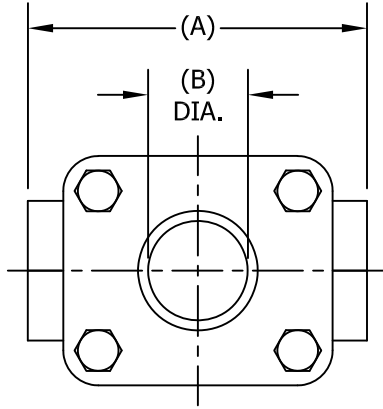


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**SIGHT FLOW INDICATOR  
 MODEL S-100HPA-CL3 &  
 S-200HPA-CL3 & S-300HPA-CL3  
 FOR ASME CL300 SERVICE**

SECTION: T400  
 BULLETIN: T400.117  
 DATE: 04/22/2020  
 SUPERSEDES: 08/02/17  
 FILE NO.: T400-117.DWG  
 DRAWN: MWS | CHECKED: DEP  
 SCALE: NONE



PARTS LIST			
PIECE NO.	PART NAME	QTY.	STANDARD DESIGN MATERIALS
1	BODY (SEE NOTE (1))	1	ASTM A216-WCB (CARBON STEEL) ASTM A351-CF8M (316 SS)
2	RETAINER (1)	2	ASTM A216-WCB (CARBON STEEL) ASTM A516 GR.70 (CARBON STEEL)
3	BOLT (1)	4	ASTM A354-BD (ALLOY STEEL)
4	NUT (1)	4	ASTM A194-2H (ALLOY STEEL)
5	WINDOW (2)	2	TEMPERED BOROSILICATE
6	SEAL GASKET (3)	2	NEOPRENE
7	CUSHION GASKET	2	FIBER
8	INDICATOR	1	DRIP TUBE (316SS)   FLUTTER (PTFE) FLAPPER (316SS)   ROTOR (PTFE)   GAS INDICATOR (PTFE)

NOTES (REFERENCE PARTS LIST)

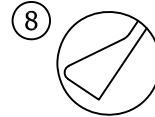
(1) ADDITIONAL ALLOYS AVAILABLE PER REQUEST  
 (2) a. OPTIONAL MATERIALS AVAILABLE PER PROCESS CONDITIONS  
 b. ADDITIONAL WINDOW OPTIONS AVAILABLE SEE SIDE SECTION FOR DETAILS  
 (3) COMMON OPTIONAL SEAL MATERIALS AVAILABLE  
 PTFE  GRAPHITE  FIBER

DESIGNED IN ACCORDANCE WITH ASME B31.1 & B31.3 FOR PRESSURE VERSUS TEMPERATURE RATINGS USING ONLY LISTED METALS IN FABRICATION

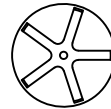
(2) b.  UNIGLAS WINDOW

DUAL UNIGLAS WINDOW

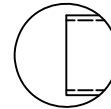
FULL VIEW DUAL WINDOW  
 FM APPROVED



FLAPPER  
 S-100HPA-CL3



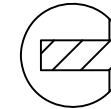
ROTOR  
 S-300HPA-CL3



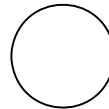
DRIP TUBE  
 S-200HPA-CL3



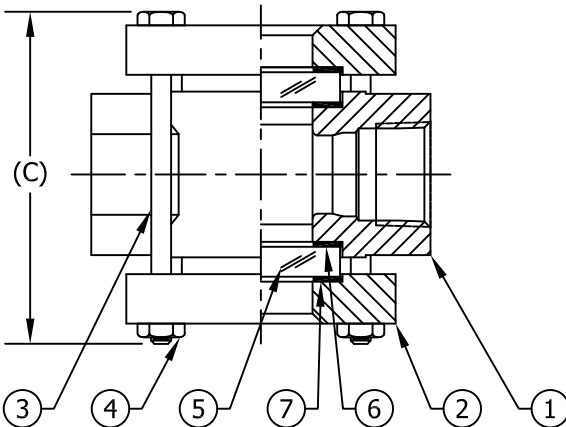
GAS INDICATOR  
 S-100HPA-CL3-GI



FLUTTER  
 S-100HPA-CL3-FLTR



NO INDICATOR  
 S-100HPA-CL3-(NF)



ASME PRESSURE / TEMP RATINGS PSIG / °F (BAR / °C)		
TEMP °F (°C)	PRESSURE	
	STEEL	316 SS
-20 TO 100	740 (51.0)	720 (49.6)
150 (66)	710 (49.0)	670 (46.2)
200 (93)	680 (46.9)	620 (42.8)
250 (121)	668 (46.1)	590 (40.7)
300 (149)	655 (45.2)	560 (38.6)
350 (177)	645 (44.5)	535 (36.9)
400 (204)	635 (43.8)	515 (35.5)
450 (232)	620 (42.7)	495 (34.1)
500 (260)	605 (41.7)	480 (33.1)

FOR TEMPERATURES ABOVE 500°F (260°C) REFER TO ASME B16.5 FOR PRESSURE RATINGS

DIMENSIONS								
NPT SIZE	A		B		C (*)		APPROX. WEIGHT	
	IN	mm	IN	mm	IN	mm	LBS	KGS
1/4	3.000	76	0.875	22	3.250	83	6.00	2.72
3/8	3.000	76	0.875	22	3.250	83	6.00	2.72
1/2	3.750	95	1.000	25	4.250	108	8.40	3.81
3/4	3.750	95	1.000	25	4.250	108	8.40	3.81
1	4.250	108	1.250	32	4.750	121	9.60	4.36
1 1/4	5.500	140	2.000	51	7.250	184	15.60	7.08
1 1/2	5.500	140	2.000	51	7.250	184	15.60	7.08
2	6.250	159	2.000	51	7.250	184	15.60	7.08

(\*) STANDARD BOLT LENGTH SHOWN. OPTIONAL WINDOW MATERIALS OR USE OF STUDS MAY INCREASE LENGTH FOR SINGLE WINDOW (1 PER SIDE) TEMPERED GLASS