

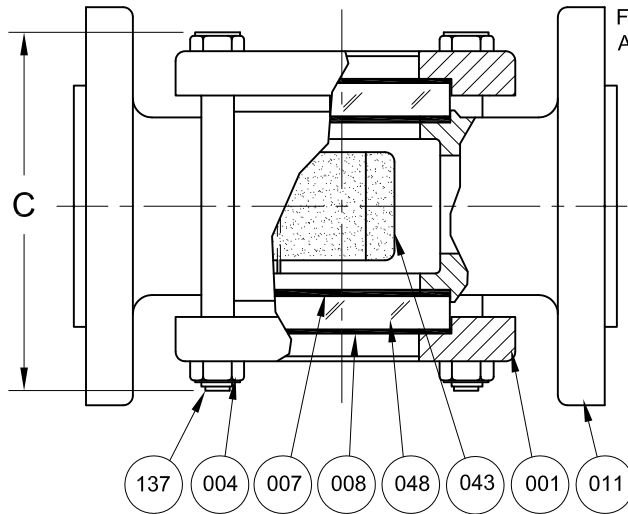
**ASME Class 300 Service Press./Temp. Ratings**  
 \*Limited to Gasket & Glass Material

Temp. (°F)	Pressure (PSIG)	
	CS	316SS
-20 to 100	740	720
150	710	670
200	680	620
250	665	590
300	655	560
350	645	535
400	635	515
450	620	495
500	605	480

\*Consult Sales for Higher & Lower Temps.

**BILL OF MATERIALS**  
 \* - Denotes an Optional, Non-Standard Material

No.	Name of Part	Qty.	Material	Max. Temp. (°F)	Material Grade/Notes
011	Body	1	Electro-Galvanized Zinc Plated Carbon Steel		ASTM A216 WCB
			316SS		ASTM A351 CF8M
007	Gasket	2	Neoprene	250	
			Gylon®	500	Gylon® 3545
			*EPDM	250	
			*Viton®	350	
			*Graphite	500	
			*Non Asbestos	500	
			*Buna-N	250	
048	Lens	2	Tempered Boro.	500	
043	Flapper Assembly	1	316SS		
008	Cushion	2	Non-Asbestos	500	
001	Retainer	2	Electro-Galvanized Zinc Plated Carbon Steel		ASTM A516 Gr.70
			*316SS		ASTM A240
137	Stud	Var.	Yellow Zinc Plated Steel		ASTM A354-BD
004	Nut	Var.	*316SS		ASTM A193-B8M-CL2
			Yellow Zinc Plated Steel		ASTM A194-2H
163	Name Plate	1	*316SS		ASTM A194-8M
			304SS		Not Pictured (Wired to Unit)



Flange Conn. Per ASME B16.5 300# RF

**PRODUCT SPECIFICATIONS**

Flange Size	A		B		C <sub>2</sub>		Weight		# of Bolts	Min Flow Horizontal <sub>5</sub>		Min Flow Vertical <sub>5</sub>		Max Flow Velocity <sub>5,6</sub>	
	In.	mm.	In.	mm.	In.	mm.	lbs.	kg.		gpm	lpm	gpm	lpm	Ft/Sec	M/Sec
1/2	5-7/8	149	1	25	5-1/4	133	9-1/2	4.3	4	1.25	4.7	3	11.4	15	4.6
3/4	5-7/8	149	1	25	5-1/4	133	9-1/2	4.3	4	1.50	5.7	4	15.1	15	4.6
1	6-7/8	175	1-1/4	32	5-1/4	133	17	7.7	4	2.00	7.6	5	18.9	15	4.6
1-1/2	7-1/2	191	2	51	7-3/8	187	24	10.9	4	5.0	18.9	13	49.2	15	4.6
2	8-5/8	219	2	51	7-5/8	194	35	15.9	4	8	30.3	15	57	15	4.6
2-1/2	11-3/8	289	3-3/16	81	10-5/8	270	64	29.0	4	15	57	25	95	15	4.6
3	11-3/8	289	3-3/16	81	10-5/8	270	64	29.0	4	15	57	30	114	15	4.6
4	13-1/4	337	4-1/4	108	13	330	135	61.2	4	25	95	50	189	15	4.6
6	21-3/8	543	5-1/2	140	17-1/8	435	250	113.4	12	45	170	90	341	15	4.6
8	23	584	5-1/2	140	19	483	335	152.0	12	55	208	115	435	15	4.6

**Notes:**

1. Fused & Dual Glass Options are also Available
2. Standard Bolt Length Shown in "C" Dimension (±1/8")
3. Carbon Steel & 316SS Bodies Conform to NACE MR0175 for Wetted NACE Service
4. For 6" & 8", maximum pressure is 800PSI, maximum temperature is 500°F depending on gasket material
5. Flow data is an Approximation based on ambient temperature water and is not a performance guarantee
6. Maximum Velocity is based on petroleum standard practices recommended pipe velocities

**S16FB Series Configuration Choices:**

Reference the Series S16FB Model Number Matrix on our Website or Inquire with our Sales Team

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REVISIONS			
Rev.	Modification	Date	Done By
A	Amended Notes	8/5/2019	NPH
B	Updated Materials	10/10/2022	NPH
C	Added Flowrates	2/7/2023	NPH

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Series S16FB Sight Flow Indicator - Flapper 300# Flanged			
Sheet: 1 of 1	Drawn By: NPH	Tolerances, unless otherwise noted Dec.: ± Frac.: ±1/16 Ang.: ±	Size: A
Scale: NTS	Approved By: JCW		
Dim.: Var.	Date: 27-JAN-17	Dwg. No.: SC2.S16FB.02.0.0	Rev.: C