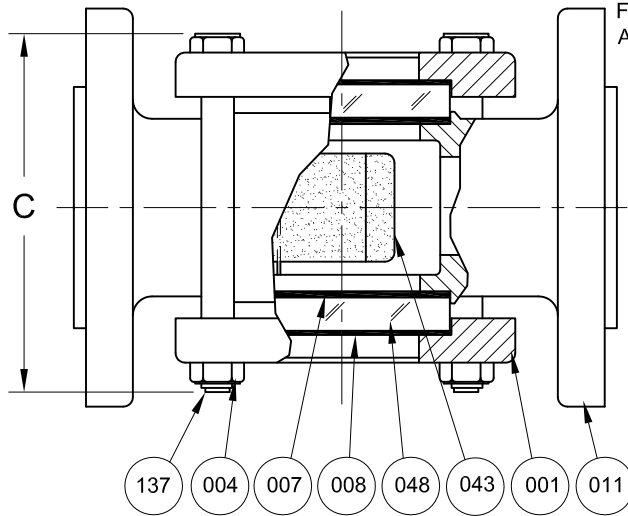


ASME Class 600 Service Press./Temp. Ratings
*Limited to Gasket & Glass Material

Temp. (°F)	Pressure (PSIG)	
	CS	316SS
-20 to 100	1480	1440
150	1420	1340
200	1360	1240
250	1335	1180
300	1310	1120
350	1285	1070
400	1265	1025
450	1235	990
500	1205	955

*Consult Sales for Higher & Lower Temps.

Flange Conn. Per ASME B16.5 600# RF



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
			*316SS		ASTM A194-8M
163	Name Plate	1	304SS		Not Pictured (Wired to Unit)

PRODUCT SPECIFICATIONS

Flange Size	A		B		C ₂		Weight		# of Bolts	Min Flow Horizontal ₅		Min Flow Vertical ₅		Max Flow Velocity _{5,6}	
	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	6-1/4	159	1	25	5-1/4	133	9-1/2	4.3	4	1.5	5.7	4	15.1	15	4.6
1	7-1/4	184	1-1/4	32	5-3/4	146	17	7.7	4	2	7.6	5	18.9	15	4.6
1-1/2	7-7/8	200	2	51	5-7/8	149	24	10.9	4	5	18.9	13	49.2	15	4.6
2	9	229	2	51	8-1/8	206	35	15.9	4	8	30.3	15	57	15	4.6
2-1/2	11-3/4	298	3-3/16	81	11-5/8	295	64	29.0	4	15	57	25	95	15	4.6
3	11-3/4	298	3-3/16	81	11-5/8	295	64	29.0	4	15	57	30	114	15	4.6
4	14-1/4	362	4-1/2	114	14-1/4	362	135	61.2	4	25	95	50	189	15	4.6
6	23-3/8	594	5-1/2	140	19-1/8	486	260	117.9	12	45	170	90	341	15	4.6
8	25-1/4	641	5-1/2	140	21-7/16	545	350	158.8	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

S16F Series Configuration Choices:

Reference the Series S16F Model Number Matrix on our Website or Inquire with our Sales Team

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Viton® is a Registered Trademark of The Chemours Company

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 S16F Sight Flow Indicator - Flapper 600# 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: 30-JAN-17	Dwg. No.: SC2.0S16F.02.0.0	Rev.: C