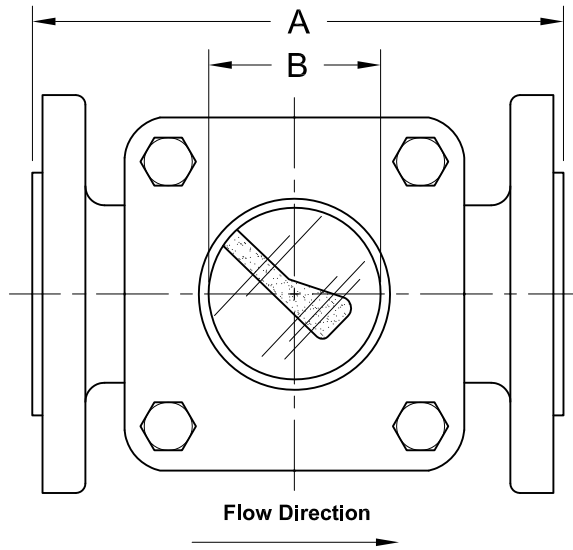
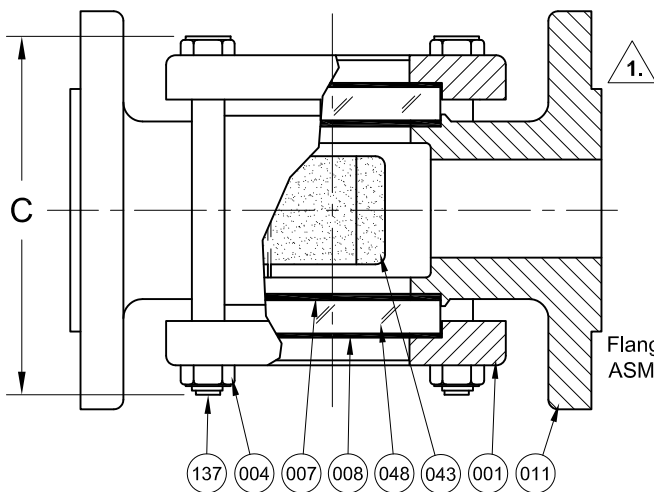


REVISIONS			
Rev.	Modification	Date	Done By
A	Updated Materials	10/10/2022	NPH
B	Added Flowrates	2/2/2023	NPH



Flow Direction



Flange Conn. Per ASME B16.5 150#

ASME CLASS 150 SERVICE PRESSURE/TEMP. RATINGS *Limited to Gasket & Glass Material			
Temp. (°F)	Pressure (PSIG)		
	CS	316SS	Bronze
-20 to 100	285	275	225
150	270	255	225
200	260	235	210
250	245	225	195
300	230	215	180
350	215	205	165
400	200	195	150
450	185	180	N/R
500	170	170	N/R

\*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 A-216 WCB
			Bronze <sub>1</sub>		ASTM B-62
			316SS		ASTM A-351 CF8M
007	Gasket	2	Neoprene	250	
			Gylon®	500	Gylon® 3545
			*EPDM	250	
			*Viton®	350	
			*Graphite	500	
			*Non Asbestos	500	
			*Buna-N	250	
009	(Opt.) Inner Shield	2	Mica V4		(Not Pictured)
048	Lens	2	Tempered Boro.	500	
043	Flapper Assembly	1	316SS		
008	Cushion	2	Non-Asbestos	500	
001	Retainer	2	Zinc Plated Carbon Steel		Electro-Galvanized
			*316SS		ASTM A240
137	Stud	Var.	Yellow Zinc Plated Steel		ASTM A354-BD
			*316SS		ASTM A193-B8M
004	Nut	Var.	Yellow Zinc Plated Steel		ASTM A194-2H
			*316SS		ASTM A194-8M

### PRODUCT SPECIFICATIONS

Flange Size	A <sub>1</sub>		B		C <sub>2</sub>		Weight		# of Bolts	Min Flow Horizontal <sub>3</sub>		Min Flow Vertical <sub>3</sub>		Max Flow Velocity <sub>3,4</sub>	
	In.	mm.	In.	mm.	In.	mm.	lbs.	kg.		gpm	lpm	gpm	lpm	FT/Sec	M/Sec
1/2	4-5/8	117	1-1/8	29	4	102	6	2.7	4	1	3.8	3	11.4	15	4.6
3/4	4-5/8	117	1-1/8	29	4	102	6	2.7	4	1	3.8	4	15.1	15	4.6
1	5-5/8	143	1-1/4	32	4-1/2	114	8	3.6	4	2	7.6	5	18.9	15	4.6
1-1/2	6-1/2	165	2	51	5-7/8	149	15	6.8	4	5	19	13	49	15	4.6
2	7-7/8	200	2	51	6-1/4	159	22	10.0	4	8	30	15	57	15	4.6
2-1/2	9-3/8	238	3-3/16	81	8-1/2	216	44	20.0	4	15	57	25	95	15	4.6
3	9-3/8	238	3-3/16	81	8-1/2	216	44	20.0	4	15	57	30	114	15	4.6
4	11	279	4-3/8	111	10-1/2	267	67	30.4	4	25	95	50	189	15	4.6
6	14-1/4	362	6-7/8	175	14-3/4	375	155	70.3	4	45	170	90	341	15	4.6
8	16-1/8	410	8-1/4	210	17-1/2	445	230	104.3	4	55	208	115	435	15	4.6
10	24-3/4	629	11	279	24-1/8	613	405	183.7	16	80	303	145	549	15	4.6
12	25-3/4	654	11	279	24-1/8	613	460	208.7	16	90	341	175	662	15	4.6
14	26-3/4	679	11	279	27-3/8	695	505	229.1	16	N/A	N/A	N/A	N/A	N/A	N/A
16	26-3/4	679	11	279	27-3/8	695	555	251.7	16	N/A	N/A	N/A	N/A	N/A	N/A

### S14FB Series Configuration Choices:

Reference the Series S14FB Model Number Matrix on our Website or Inquire with our Sales Team

### Notes:

1. **Bronze** Indicators have Flat Face Flanges. Overall Length = "A" minus 1/8"
2. Standard Bolt Length Shown in "C" Dimension (±1/8")
3. Flow data is an Approximation based on ambient temperature water and is not a performance guarantee.
4. Maximum Velocity is based on petroleum standard practices recommended pipe velocities.

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Viton® is a Registered Trademark of the Chemours Company

<b>JOHN C ERNST LLC.</b>		www.johnernst.com 21 Gail Ct. Sparta, N.J. USA	
Series S14FB - Sight Flow Indicator - Flapper 150# Flanged			
Sheet 1 of 1	Drawn By WAS	Tolerances, unless otherwise noted Dec.: ±    Frac.: ±    Ang.: ±	
Scale: NTS	Approved By: JCW	Size: A	
Date: 19-JAN-16	Dwg. No.: SC2.S14FB.02.0.0		Rev.: B