



RATINGS ₂	
Temp. (°F)	Pressure (PSIG)
-20 to 150	200
200	165
225	150
250	135
300	100
350	70
400	35

*Consult Sales for Alt. Ratings

REVISIONS			
Rev.	Modification	Date	Done By

BILL OF MATERIALS						
* - Denotes an Optional, Non-Standard Material						
No.	Name of Part	Qty.	Material	Max. Temp. (°F)	Material Grade/Notes	
Wetted	011	1	Carbon Steel		ASTM A216-WCB	
			316SS		ASTM A351-CF8M	
	007A 007B	Gasket	2	Neoprene	250	
				Viton®	400	
				*EPDM	250	
				*PTFE	400	
*Kalrez®				400		
	*Buna-N	212				
029	Bridge	2	316LSS			
043	Flapper	1	Delrin®	250	White	
048	Lens	2	Tempered Soda Lime			
128	Pin	1	316SS			
Non-Wetted	001	1	Plated Steel			
	008	1	Non-Asbestos Fiber			
	009	1	Polycarbonate	200	(Not Pictured)	
	115	1	PTFE	400		
	125	2	Plated Steel			
	137	2	Plated Steel			
163	1	Aluminum				

PRODUCT SPECIFICATIONS									
Flange Size	A		B		C		Weight		Vacuum ₁
	In.	mm.	In.	mm.	In.	mm.	lbs.	kg.	PSIG
3/4	4-5/8	117.5	1-1/2	38.1	3-3/8	85.7	5.4	2.45	-12.6
1	5	127.0	1-1/2	38.1	3-1/2	88.9	6.0	2.72	-12.6

- Notes:**
- Vacuum Service Rating: 85.5% of Full Vacuum / 25.6" of Hg. / 2.1 PSIA
 - Limited to Glass, Gasket, & Indicator Ratings

S13F Series Configuration Choices:

Reference the Series S13F Model Number Matrix on our Website or Inquire with our Sales Team

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JOHN C ERNST LLC.			www.johnernst.com 21 Gail Ct. Sparta, N.J. USA	
Series S13F Flapper SFIs - 3/4" - 1" Flanged				
Sheet: 1 of 1	Drawn By: WAS	Tolerances, unless otherwise noted Dec.: ± Frac.: ±1/64" Ang.: ±		Size: A
Scale: NTS	Approved By: JCW			
Dim.: Var.	Date: 14-DEC-16	Dwg. No.: SC2.0S13F.03.0.0	Rev.: --	