



ASME CL. 150 Service Press./Temp. Ratings 2		
Temp. (°F)	Pressure (PSIG)	
	CS	316SS
-20 to 100	285	275
150	270	255
200	260	235
250	245	225
300	230	215
350	215	205
400	200	195

*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
011	Body	1	Carbon Steel		ASTM A216-WCB
			316SS		ASTM A351-CF8M
007A 007B	Gasket	2	Viton®	400	
			*Neoprene	250	
			*EPDM	250	
			*PTFE	400	
			*Kalrez®	400	
	*Buna-N	212			
029	Bridge	2	316LSS		
048	Lens	2	Tempered Borosilicate		
106	Rotor / Deflector	1	Ryton® / 316SS	400	Brown
128	Pin	1	316SS		
001	Retainer	1	Plated Steel		
008	Cushion	1	Non-Asbestos Fiber		
009	Outer Shield (Opt.)	1	Polycarbonate	200	(Not Pictured)
115	Spacer	1	PTFE	400	
125	Washers	2	Plated Steel		
137	Studs	2	Plated Steel		
163	Nameplate	1	Aluminum		

PRODUCT SPECIFICATIONS										
Flange Size	A		B		C		Weight		Min. Flow to Indicate	Vacuum 1
	In.	mm.	In.	mm.	In.	mm.	lbs.	kg.	GPM	PSIG
3/4	4-5/8	117.5	1-1/2	38.1	3-3/8	85.7	5.8	2.63	0.60	-12.6
1	5	127.0	1-1/2	38.1	3-1/2	88.9	6.4	2.90	0.70	-12.6

Notes:

1. Vacuum Service Rating: 85.5% of Full Vacuum / 25.6" of Hg. / 2.1 PSIA
2. 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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 Ryton® is a Registered Trademark of Solvay Specialty Polymers.
 Viton® is a Registered Trademark of the Chemours Company

JOHN C ERNST LLC.			www.johnernst.com 21 Gail Ct. Sparta, N.J. USA	
Series S13F Rotor High Pressure 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	Dwg. No.: SC2.0S13F.02.0.0		Rev.: --
Dim.: Var.	Date: 14-DEC-16			