

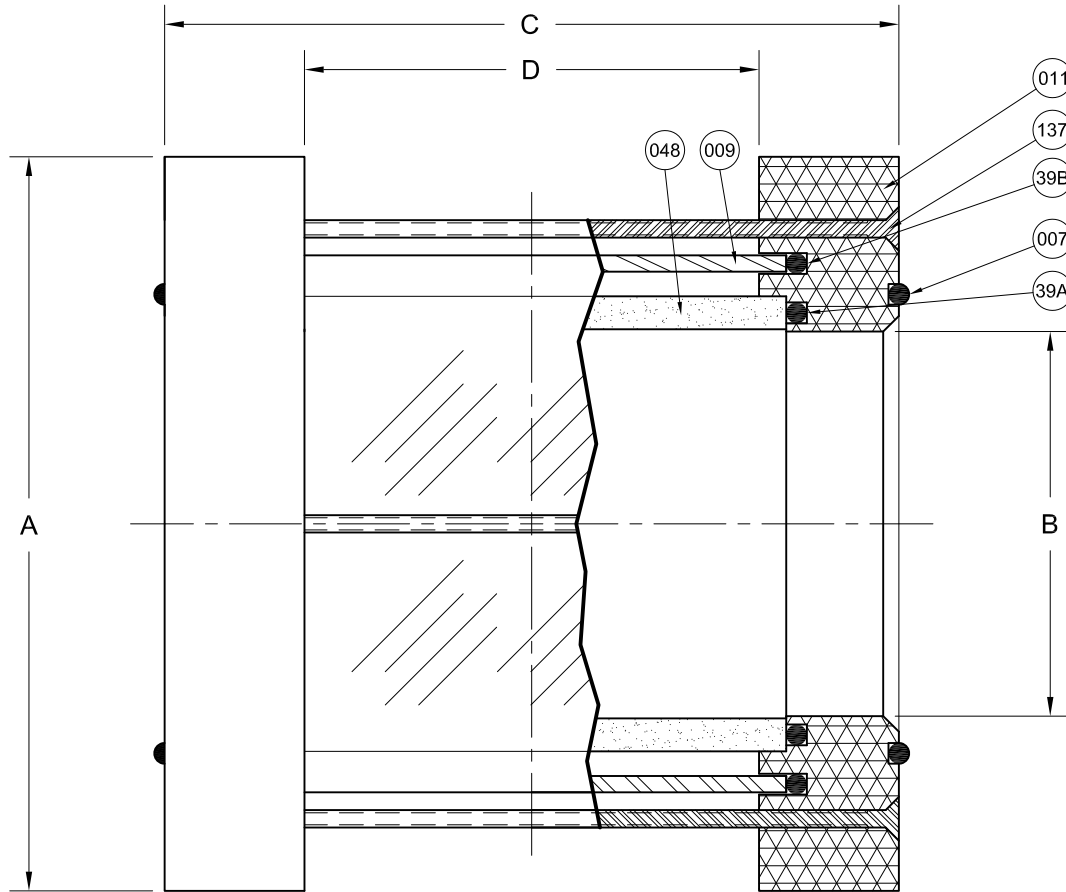
REVISIONS			
Rev.	Modification	Date	Done By
A	Corrected Materials	10/16/2019	NPH

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

No.	Name of Part	Qty.	Material	Max. Temp. (°F)
011	Body	2	Polypropylene	180°F
			PVC	140°F
			PTFE	225°F
			CPVC	180°F
			Kynar(PVDF)	293°F
007	Seal	2	Viton®	
039A	Inner O-Ring	2	Viton®	
048	Glass	1	Borosilicate	
043	*Flutter Device	1	PTFE/Viton®	
137	Stud	4	Stainless Steel	
009	Shield	1	Acrylic Plastic	
039B	Outer O-ring	2	Viton®	

**RATINGS**

Material	Size	Pressure		Max Temp
		@ 50°F	@ Max Temp	
Polypropylene	1-1/2" & 2"	150 PSI	105 PSI	180°F
	3" & 4"	115 PSI	80 PSI	
	6"	70 PSI	55 PSI	
	8"	45 PSI	30 PSI	
PVC	1-1/2" & 2"	140 PSI	110 PSI	140°F
	3" & 4"	110 PSI	90 PSI	
	6"	70 PSI	60PSI	
	8"	48 PSI	38 PSI	
Teflon®	1-1/2" & 2"	120 PSI	60 PSI	225°F
	3" & 4"	100 PSI	50 PSI	
	6"	70 PSI	30 PSI	
	8"	45 PSI	10PSI	
CPVC	1-1/2" & 2"	150 PSI	105 PSI	180°F
	3" & 4"	115 PSI	80 PSI	
	6"	70 PSI	55 PSI	
	8"	45 PSI	30 PSI	
Kynar (PVDF)	1-1/2" & 2"	120 PSI	35 PSI	293°F
	3" & 4"	110 PSI	25 PSI	
	6"	70 PSI	18 PSI	
	8"	45 PSI	9 PSI	



**PRODUCT SPECIFICATIONS**

	Outside Wafer Diameter		Max. Flange ID		OAL		Visible Glass Length	
	A		B		C		D	
	In.	mm.	In.	mm.	In.	mm.	In.	mm.
1-1/2"	3-3/8"	85.7	1-9/16"	39.7	4-1/2"	114.3	2-1/2"	63.5
2"	4-1/4"	108.0	2-1/16"	52.4	5"	127.0	3"	76.2
3"	5-7/16"	138.1	3-1/16"	77.8	5-1/4"	133.4	3-1/4"	82.6
4"	6-7/8"	174.6	4-5/16"	109.5	5-5/8"	142.9	3-5/8"	92.1
6"	8-11/16"	220.7	6-5/16"	160.3	6-1/8"	155.6	4-1/4"	108.0
8"	10-7/8"	276.2	8-5/16"	211.1	6-1/4"	158.8	4-1/4"	108.0

**S21F Series Configuration Choices:**

Reference the Series S21F Model Number Matrix on our Website or Inquire with our Sales Team

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**Notes:**

- \*PTFE/Viton Flutter Device Available (Not Shown)

**JOHN C ERNST LLC.**

www.johnernst.com  
21 Gall Ct. Sparta, N.J. USA

Series S21F Cylinder Glass SF1 - Threaded

Sheet: 1 of 1	Drawn By: NPH	Tolerances, unless otherwise noted Dec.: ±    Frac.: ±    Ang.: ±	Size: A
Scale: <b>NTS</b>	Approved By: JCW		
Dim.: Var.	Date: 04-FEB-19	Dwg. No.: SC2.0S21F.00.0.0	Rev.: --