

VACUUM TIGHT PRESSURE RELIEF DISCS

PR3 SERIES

2 - 15 PSIG RELIEF



APPLICATIONS

- Protection of Outer Wall for High Vacuum Containers
- Pressure Equalization for Volume Chambers
- Relief Valve for Vacuum Insulated Piping Systems
- Breather Valves for Storage Tank Vents



FEATURES

- Vacuum Tight Seal
- Full 360° Pressure Outlet
- Low Pressure Relief
- Stainless Steel Construction
- Compact Design
- Adjustable Relief Option



OPTIONS

- Standard Relief Pressure 2 - 6 PSIG
- Available up to 15 PSIG (± 1 PSI)
- Higher Pressures Available (Consult Factory)

Valve Size:

1/2" to 3"



OPERATING RANGES

Temperature..... -20° F to +150° F
(-29°C to +66°C)

Relief Pressure 2 to 15 PSIG
(.14 to 1.04 BAR)



TECHNICAL DATA

Designed to ASME VIII D1, B16.34 & B31.3

Materials of Construction:

Body	300 Series S/S or 6061 Aluminum
O-ring	Viton®
Poppet	300 Series S/S
Spring	300 Series S/S
Hardware	300 Series S/S

Connection:

Welded or Threaded

Testing:

Seat Leakage	Mass spec. less than 1x10 ⁻⁹ scc GHe/sec (Exclusive of O-ring Permeability) at Ambient Temp.
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ORDERING GUIDE

PR3 - 084 - 5 T2 - HP3

BASE MODEL NUMBER
PR3 Series

VALVE SIZE
084 - 1/2"
086 - 3/4"
088 - 1"
812 - 1-1/2"
816 - 2"
820 - 2-1/2"
824 - 3"

CONSTRUCTION
5 - 300 Series Stainless Steel
1 - 6061 Aluminum

CONFIGURATION
T2 - Threaded Connection (1/2" - 1")
F2 - Flanged Connection (1-1/2" - 2")
F3 - Flanged Connection (3")
W2 - Welded Connection (1/2" - 1")
W3 - Welded Connection (1-1/2" - 3")

RELIEF SET

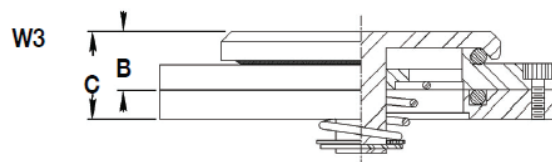
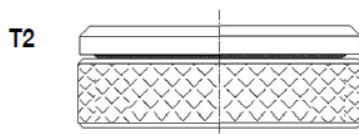
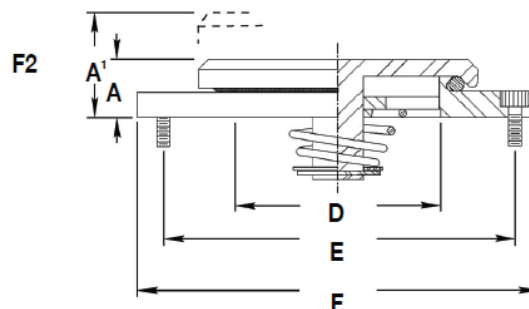
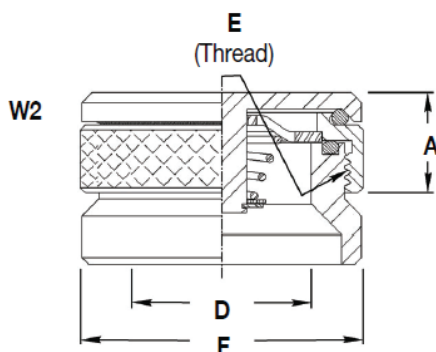
Blank - 2 - 6 PSIG Standard

Adjustable Relief Set Options:

HP3 - 3 PSIG
HP4 - 4 PSIG
HP5 - 5 PSIG
HP6 - 6 PSIG
HP7 - 7 PSIG
HP8 - 8 PSIG
HP9 - 9 PSIG
HP10 - 10 PSIG
HP11 - 11 PSIG
HP12 - 12 PSIG
HP13 - 13 PSIG
HP14 - 14 PSIG
HP15 - 15 PSIG



DIMENSIONS



Part No.	A	A'	B	C	D	E	F
PR3-084	.50	.75	.75	.88	.69	1.06.16	1.19
PR3-086	.50	.75	.63	1.13	.94	1.38.16	1.50
PR3-088	.63	.94	.75	1.13	1.19	1.63.16	1.75
PR3-812	.56	.75	.31	.88	1.63	2.38	2.75
PR3-816	.56	.88	.31	.88	2.13	2.94	3.25
PR3-820	.69	1.00	.44	1.13	2.69	3.50	4.00
PR3-824	1.13	1.25	.50	1.63	3.38	4.38	5.00