

PRESSURE RELIEFS

1/4" NPT Liquid Cylinder Pressure Relief Valve

Exclusively for use on DOT 4L Cryogenic Liquid Cylinders

Addresses Noise Reduction Needed for Pressure Relief

DESCRIPTION

New Generant Liquid Cylinder Pressure Control/ Relief Valve is designed exclusively for use on DOT 4L Cryogenic Liquid Cylinders. Dramatically reduces the **NOISE** associated with traditional cylinder relief device discharge. Under normal operating conditions it optimizes cylinder performance by venting only what is required to maintain cylinder pressure in a tight band. In the event that circumstances demand, it has adequate flow capacity to insure safety, meeting all industry and regulatory requirements.

FEATURES AND BENEFITS

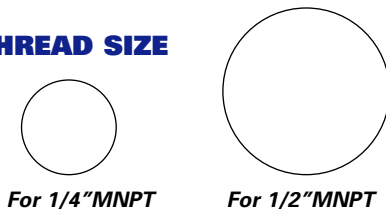
- Designed exclusively for use on DOT 4L Liquid Cylinders
- **Eliminates disruptive "pop"** historically associated with traditional cylinder relief devices
- Incorporates the customer proven **"Dirt Guard"** poppet
- Accurately maintains and controls cylinder pressure minimizing product loss
- Exceeds industry and regulatory flow capacity requirements
- Complies with OSHA sound level regulations
- Extensively field qualified
- OEM approved and endorsed
- Cleaned and packaged for Oxygen service standards

MATERIALS OF CONSTRUCTION

Component	Valve Body Material	
Valve Body, Poppet, Spring Retainer and Screen	Brass, ASTM B16	
Spring	302 SS/17-7 PH ASTM A313	
Seal	Fluorosilicon 22 to 49 Psig	CTFE 50 to 500 Psig
Label	.004 Thick Mylar	

TO DETERMINE THREAD SIZE

Match up outside thread base to scale right to confirm diameter

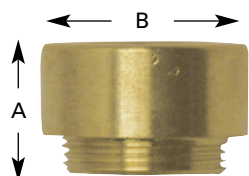


OPTIONS

- Pipe-away Adapter
- Seal Materials
- Certified Test Results

Pipe-away Adapter

Part #	SIZE	A	B
PA-14	1/4" NPT	11/32"	7/8"
PA-38	3/8" NPT	11/16"	7/8"
PA-12	1/2" NPT	3/4"	1"



Pipe-away Adapter

To Order – 1/4" NPT
22 - 500 Psig

Part #	Pressure Setting
LPR-22	22 PSI
LPR-35	35 PSI
LPR-50	50 PSI
LPR-75	75 PSI
LPR-100	100 PSI
LPR-125	125 PSI
LPR-150	150 PSI
LPR-175	175 PSI
LPR-200	200 PSI
LPR-230	230 PSI
LPR-235	235 PSI
LPR-350	350 PSI
LPR-375	375 PSI
LPR-400	400 PSI
LPR-425	425 PSI
LPR-450	450 PSI
LPR-500	500 PSI

GENERANT



Only for Dewar Liquid Applications.

FOR GAS AND LIQUID USE IN THE 1/2" STYLE

TECHNICAL DATA FOR 1/2" NPT

- Inlet Orifice** .312 Diameter
- Flow Coefficient** .45 @ 110% of nominal set pressure
- Full rated flow** is achieved by 110% of nominal set pressure
- Crack pressure tolerance** ± 5% of nominal set pressure
- Zero leakage** up to 95% of nominal set pressure
- Brass bar stock construction** with stainless steel springs
- Temperature Range** -320° to +400° F
- Proof Pressure** 1500 PSI

CONSIDERATIONS

- Teflon Seal, 50 P.S.I. and above
- Kel-F Seal, 100 P.S.I. and above
- Drain Hole omitted on CRVP
- Flow is unaffected with 10% Back Pressure
- Permanently Stamped with Full P/N and Pressure Setting
- Can be supplied with Color Coded Labels in PSI and BAR
- No Mounting Limitations



1/2" NPT
Safety Pressure Relief

1/2" NPT Safety Pressure Relief

Part #	Description
PR-122	22 PSI
PR-1235	35 PSI
PR-1250	50 PSI
PR-1275	75 PSI
PR-12100	100 PSI
PR-12125	125 PSI
PR-12150	150 PSI
PR-12230	230 PSI
PR-12235	235 PSI
PR-12250	250 PSI
PR-12350	350 PSI
PR-12375	375 PSI
PR-12400	400 PSI
PR-12425	425 PSI
PR-12450	450 PSI
PR-12475	475 PSI
PR-12500	500 PSI
PR-12700	700 PSI

Custom Pressure Settings
Also Available