

Cryogenic Gas Relief Valves, ASME PRV19430 & PRV29430 Series

The 19430 and 29430 relief valves are designed for oxygen and other industrial gases, and for cryogenic service in the vapor space. Apply on piping systems, liquid cylinders, or mini-bulk cryogenic containers where an ASME relief valve is required.



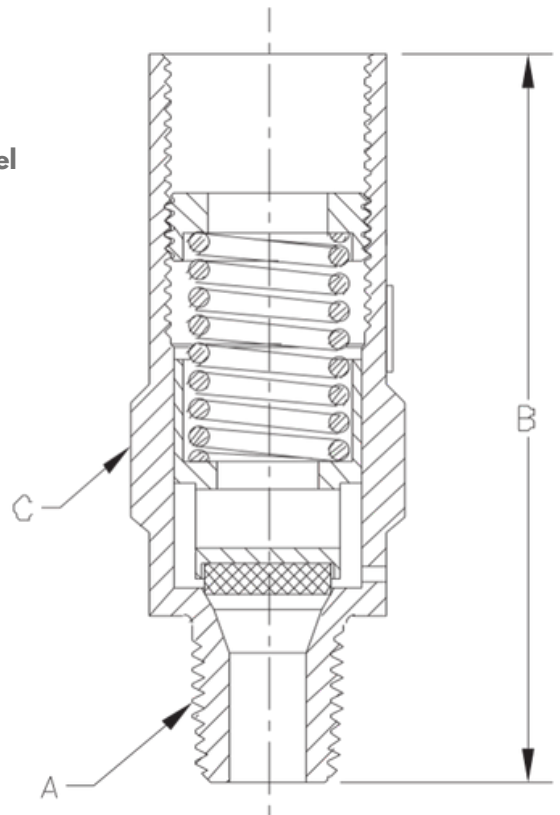
- A.S.M.E. Rated, National Board Certified
- Bubble tight at 95% of set pressure
- Full flow at 110% at set pressure
- Repeatable performance
- 100% factory tested
- Temperature Range (Teflon Seat) -320° to +165° F (-196°C to +74°C)
(Flurosilicone Seat) -60° to +165° F (-51°C to +74°C)
- Cleaned and packaged for oxygen service per CGA G-4.1
- Rated for gas service only
- Color coded labels clearly identify pressure setting range
- Tamper-resistant
- For use w/ candy cane riser (sold separately) in liquid service only

SS Style

Body Stainless Steel
 Spring Stainless Steel
 Seat Retainer..... Stainless Steel
 Pipe-Away Adapter Stainless Steel

PRV and B-Style

Body Brass
 Spring Stainless Steel
 Seat Retainer..... Brass
 Pipe-Away Adapter..... Brass



For set pressures 90 - 600 capacity is 0.692 SCFM of air per psig of flow pressure.
 For set pressures 15 - 89 capacity is 0.750 SCFM of air per psig of flow pressure.
 Flow pressure per ASME is 10% above set pressure or +3 psig (0.2 barg), whichever is greater.

- 1 ASME approved valve made of brass.
- 2 ASME approved valve made of stainless steel.

F for Fluorosilicone for 15 to 139 psig (6.2 - 9.5 barg) set points.
 T for PTFE for 140-600 psig (9.6 - 41.4 barg) set points.

Leave blank for relief with drain hole. Insert P if no drain hole.

Enter number for set pressure in psig (6.2 - 41.4 barg) from 15 to 600.

Example: PRV19432T350

PRV	1	9432	T	Blank or "P"	350
Style	Body Material	Size	Seat Material	Drain Hole	Set Pressure

Pipe-away adapter options available (sold separately).
 Drain hole cannot be used with pipe-away.

The use of a candy cane riser is recommended for liquid phase installation of these PRVs.
 Setpoint tolerance is $\pm 3\%$ of the set pressure or ± 2 psig, whichever is greater .

Part Number	Body / Valve Material	Pressure Setting Range psig (barg)	Inlet MNPT A Inches	Height B Inches (mm)	Wrenching Hex C inches (mm)	Kd Value	Orifice Size In2 (mm2)
PRV19432	Brass		1/4"				
PRV29432	Stainless Steel			2.6" (66.04)			
PRV19433	Brass	15-600	3/8"		7/8" (22.35)	0.686	.062 (40)
PRV29433	Stainless Steel	(1.03-41.36)					
PRV19434	Brass		1/2"	2.8" (71.12)			
PRV29434	Stainless Steel						