

Cryogenic Gas Relief Valves, Non-ASME 9400 Series

Application

9400 series relief valves are specifically designed for vapor line safety relief applications and cryogenic liquid containers.

Features

- Cleaned and packaged for oxygen service per CGA G-4.1.
- Bubble tight at 95% of set pressure.
- Easy to read color coded barg/mpa labels.
- Tamper resistant
- Adapters provide standard pipe thread connections for venting gas to the outdoors.
- Repeatable performance.
- 100% factory tested.
- Temperatures Range (Teflon Seat) -320° to +165° F. (-196°C to +74°C)
- Temperatures Range (Fluorosilicone Seat) -60° to +165° F. (-51°C to +74°C)
- Rated for gas service only.

Materials SS Style

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

Materials PRV and B-Style

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

Flow Performance

- For set pressures 90 - 600 capacity is 0.783 SCFM of air per psi of flow pressure. For set pressures 15 - 89 capacity is 0.750 SCFM of air per psi of flow pressure. Flow pressure per ASME is 10% above set pressure or +3 psig, whichever is greater.
- B-9425N flow of 6.7 SCFM Air/psi at 120% of set pressure.
- B-9426N flow of 11.0 SCFM Air/psi at 120% of set pressure

Seat Material Option

F for Fluorosilicone for PRV and SS styles for 15-139 psig.
T for PTFE for PRV and SS styles for 140-600 psig
N for B-9425 and B-9426, Fluorosilicone seat, all set pressures.

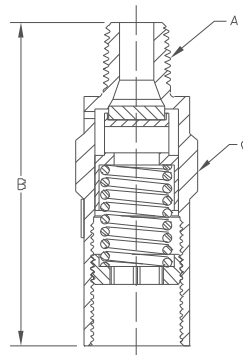
Drain Hole Option

Relief valves without pipeaway typically provided with drain holes, leave blank. P - for relief valves without drain hole, for example PRV9432TP350

WARNING: Inspection and maintenance of pressure relief valves is very important. Failure to properly inspect and maintain pressure relief valves could result in personal injuries or property damage. The useful safe service life of a pressure relief valve may be significantly affected by the service environment.

Ordering Information

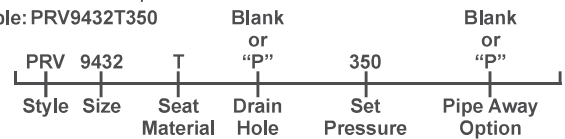
Style	Size	Inlet M.NPT A	Body and Valve Material	Pressure Setting Range psig	Height B	Wrenching Hex C	Orifice Size Sq. Inch	Pipe-Away Adapter P/N	Pipe-Away Outlet F.N.P.T.			
PRV	9432	¼"	Brass	15-600	2.6"	¾"	.062	B-9412-2	¾"			
SS			Stainless Steel					SS-9412-4	½"			
PRV	9433	⅜"	Brass					2.8"	B-9412-2	¾"		
SS			Stainless Steel						SS-9412-4	½"		
PRV	9434	½"	Brass		20-300			3.4"	1¼"	.44	B-3131-10	1"
SS			Stainless Steel		60-300			5.3"	2⅝"	.62	B-3132-10	1¼"



Ordering Information

Fill in the blanks with options below.

Example: PRV9432T350



This example part number indicates a ¼" M.NPT PRV style brass relief valve with PTFE seat, set at 350 psig with drain hole and no pipe away adapter.

Pipe Away Option

P Pipeaway included and attached, No drain hole in relief valve.
For example PRV9432TP350P
Leave blank for relief valve without pipe-away attached.
For example PRV9432TP350.

Set Pressure

Specify set pressure within range specified for style and size. The B-9425 & B-9426N are available in select settings only. Special order.

For easy identification, the following standard settings have color coded labels for all PRV and SS Style sizes and settings marked in psig and barg:

Color Identification

22 psig	230 psig
35 psig	350 psig
50 psig	450 psig
100 psig	500 psig
150 psig	