

Relief Valves for Gas & Cryogenic Systems

9400 Series Brass or Stainless Steel, Non-ASME

Application

These relief valves are specifically designed for thermal safety relief applications and cryogenic liquid containers.

Features

- All valves are cleaned and packaged for oxygen service per CGA G-4.1.
- Bubble tight at 95% of set pressure.
- Easy to read color coded psig / bar labels.
- Unique tamper resistant adjusting screw.
- Adapters provide standard pipe thread connections for venting gas to the outdoors.
- Repeatable performance.
- 100% factory tested.
- Temperatures Range -320° to +165° F.

Materials

SS Style

PRV and B-Style

BodyStainless Steel.....Brass
 SpringStainless Steel.....Stainless Steel
 Seat RetainerStainless Steel.....Brass
 Adjusting ScrewStainless Steel.....Brass
 Pipe-Away AdapterStainless Steel.....Brass

Flow Performance

- PRV and SS style flow at 0.783 SCFM Air/PSIA at 110% of set pressure.
- B-9425N has a flow of 6.7 SCFM Air/PSIA at 120% of set pressure.
- B-9426N has a flow of 11.0 SCFM Air/PSIA at 120% of set pressure

Style and Size

Style	Size	Inlet A	Body and Valve Material	Pressure Setting Range PSIG	Height B	Wrenching Hex C	Orifice Size	Pipe-Away Adapter P/N	Pipe-Away Outlet F.N.P.T.
PRV	9432	1/4"	Brass	17-600	2.6	7/8"	.062	B-9412-2	3/8"
SS	9432	1/4"	Stainless Steel	17-600	2.6	7/8"	.062	SS-9412-4	1/2"
PRV	9433	3/8"	Brass	17-600	2.6	7/8"	.062	B-9412-2	3/8"
SS	9433	3/8"	Stainless Steel	17-600	2.6	7/8"	.062	SS-9412-4	1/2"
PRV	9434	1/2"	Brass	17-600	2.8	7/8"	.062	B-9412-4	1/2"
SS	9434	1/2"	Stainless Steel	17-600	2.8	7/8"	.062	B-9412-4	1/2"
B-	9425	3/4"	Brass	50-300	3.4	1 3/4"	.043	B-3131-10	1"
B-	9426	1"	Brass	100-300	5.5	2 3/8"	.062	B-3132-10	1 1/4"

Seat Material Option

F for Fluorosilicone for PRV and SS styles for 15-139psi.

T for PTFE for PRV and SS styles for 140-600psi

N for B-9425 and B-9426, Fluorosilicone seat, all set pressures.

Drain Hole Option

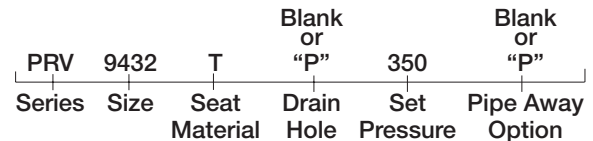
Relief valves without pipeaway typically provided with drain holes, leave blank. **P** - for relief valves without drain hole, for example RPV9432TP350

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

Fill in the blanks with options below.

Example:



This example part number indicates a 1/4" PRV style brass relief valve with PTFE seat, set at 350 PSIG and no pipe away adaptor.

