

ASME Relief Valves for Gas & Cryogenic Systems

PRV 19430 Series Brass Relief Valves & PRV 29430 Series Stainless Steel Relief Valves

Application

These relief valves are designed for oxygen and other industrial gases and for cryogenic service. Apply on piping systems, liquid cylinders or mini-bulk cryogenic containers where an ASME relief valve is desired.

Features

- 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.
- Temperatures Range -320° F to 165° F.
- Cleaned and packaged for oxygen service per CGA G-4.1.

Materials

Spring Stainless Steel
Body, valve parts, and seat as shown in part number

Flow Performance

PRV19430 and PRV29430 Series: 0.783 SCFM of air per psia of flow pressure. Flow pressure per ASME is 10% above set pressure.

Ordering Information

Fill in the blanks with options below.

Example: PRV019432T350 Blank or "P" Blank or "P"

PRV	9432	T	Blank or "P"	350	Blank or "P"
Style	Size	Seat Material	Drain Hole	Set Pressure	Pipe Away Option

Material and Inlet Part Number Options

19432 for Brass 1/4", 19433 for Brass 3/8", 19434 for Brass 1/2",
29432 for SS 1/4", 29433 for SS 3/8", 29434 for SS 1/2".

Seat Material

F for Fluorosilicone for 90 to 139 psig set.
T for PTFE for 140-600 psig

Drain Hole

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

Set Pressure

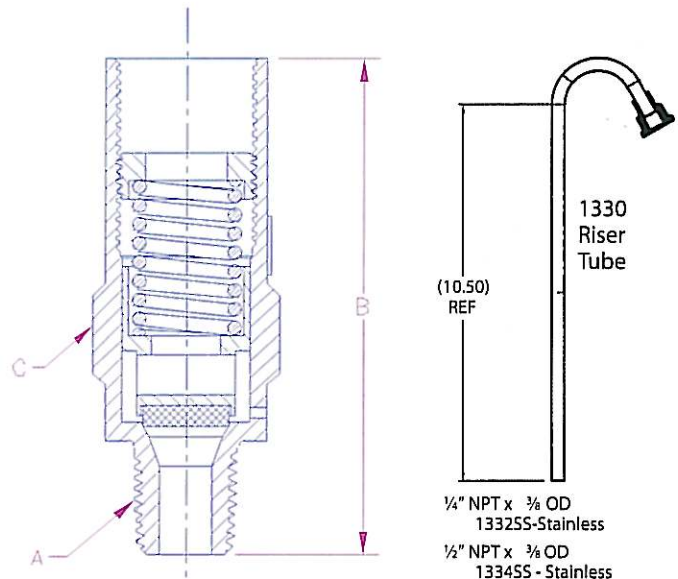
Enter number for set pressure in PSIG from 90 to 600.

Ordering Information

Part Number	Inlet A	Height B	Wrenching Hex C	Orifice Size
PRV 19432	1/4"	2.6	3/4"	.062 sq. inch
PRV29432				
PRV 19433	3/8"	2.6	1"	.062 sq. inch
PRV29433				
PRV 19434	1/2"	2.8	1 1/4"	.062 sq. inch
PRV29434				



1943 Series



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.