

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.
- Unique tamper-resistant adjusting screw.
- 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 listed below.

Example: **PRV**

Style	Material and Inlet size	Seat Material	Drain Hole	Set Pressure

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

Models	Inlet	Height	Wrenching Hex	Orifice
	A	B	C	Size
PRV 19432 and PRV29432	1/4"	2.6"	7/8"	.062 sq. inch
PRV 19433 and PRV29433	3/8"	2.6"	7/8"	.062 sq. inch
PRV 19434 and PRV29434	1/2"	2.8"	7/8"	.062 sq. inch

