Cryogenic Gas Relief Valves Non-ASME 9400 Series

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

- **Cleaned and packaged for oxygen service per CGA G-4.1**
- **Bubble tight @ 95% of set pressure**
- **Color-coded labels clearly identify pressure setting range**
- **Tamper-resistant**
- **Adapters provide standard pipe thread connections for venting gas to outdoors**
- **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)**
- **Rated for gas service only**
- **Candy cane riser for liquid svc (sold separately)**
- **Setpoint tolerance ± 3%**

Color Identification

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

Color Identification

1.51 barg	15.85 barg
2.41 barg	24.13 barg
3.44 barg	31.02 barg
6.89 barg	34.47 barg
10.34 barg	

Example: PRV9432T350

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

This example part number indicates a ¼” MNPT PRV style brass relief valve with PTFE seat, set at 350 psig, with drain hole, and without pipe away adapter.

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.

Flow Performance

9400 for set pressure 90-600 psig, flow of 0.783 SCFM Air/psig at 110% of set pressure.

9400 for set pressure 15-89 psig, flow of 0.750 SCFM Air/psig at 110% of set pressure.

B-9425N flow of 6.7 SCFM Air/psig at 120% of set pressure.

B-9426N flow of 11.0 SCFM Air/psig at 120% of set pressure

Seat Material Option

F for Fluorosilicone for PRV and SS styles for 16-139 psig (1.10 - 9.58 barg)

T for PTFE for PRV and SS s tyles for 140-600 psig (9.65 - 41.36 barg)

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. Drain hole can not be used with pipeaway.

Pipe Away Option

Pipeaway included and attached, No drain hole in relief valve. Leave blank for relief valve without pipe-away attached.

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.

Pressure Setting psig	barg	Air Flow Capacity SCFM	Pressure Setting psig	barg	Air Flow Capacity SCFM	Pressure Setting psig	barg	Air Flow Capacity SCFM
15	1.0	25	215	14.8	197	450	31.0	399
20	1.4	28	220	15.2	201	460	31.7	408
22	1.5	30	225	15.5	205	470	32.4	416
25	1.7	32	230	15.9	210	480	33.1	425
30	2.1	36	235	16.2	214	490	33.8	434
35	2.4	40	240	16.5	218	500	34.5	442
40	2.8	44	250	17.2	227	510	35.2	451
45	3.1	48	260	17.9	235	520	35.9	459
50	3.4	52	270	18.6	244	530	36.5	468
55	3.8	56	275	19.0	248	540	37.2	477
60	4.1	61	280	19.3	253	550	37.9	485
65	4.5	65	285	19.7	257	560	38.6	494
70	4.8	69	290	20.0	261	570	39.3	502
75	5.2	73	300	20.7	270	580	40.0	511
80	5.5	77	310	21.4	279	590	40.7	520
85	5.9	81	320	22.1	287	600	41.4	528
90	6.2	89	325	22.4	291			
100	6.9	98	330	22.8	296			
110	7.6	106	340	23.4	304			
120	8.3	115	350	24.1	313			
125	8.6	119	360	24.8	322			
130	9.0	123	370	25.5	330			
140	9.7	132	375	25.9	334			
150	10.3	141	380	26.2	339			
160	11.0	149	390	26.9	347			
170	11.7	158	400	27.6	356			
175	12.1	162	410	28.3	365			
180	12.4	167	420	29.0	373			
190	13.1	175	425	29.3	378			
200	13.8	184	430	29.6	382			
210	14.5	192	440	30.3	390			