



Safety Valves

Adjustable Noncode—Pressure range of 25 to 200 psi. Features brass body with silicone rubber seal and stainless steel springs. $\frac{3}{16}$ " hex body x 1.56"L.

Adjustable Vacuum/Pressure—Easily convert from vacuum to pressure relief by reversing poppet and spring. Relieve vacuums from 0" to 30" Hg or pressure to 20 psi.

ASME Hard-Seat—Lead seal allows visual detection of tampering. Brass body, stainless steel ball on brass seat and stainless steel spring. External threads coated with thread sealant.

Note: Pressure Settings are available on Grainger.com.

ASME Soft-Seat—1-pc. brass body has resilient silicone elastomer O-ring for a leakproof seal. External threads are coated with thread sealant.

Note: Pressure Settings are available on Grainger.com.

High-Capacity ASME—Brass bodies with stainless steel springs and silicone O-ring seals.

Threaded Outlet ASME—Valves feature brass/stainless steel construction. Silicone rubber O-ring seal and lead seal.

Variable Pressure—May be used wherever a low-flow variable pressure relief valve is used. Micrometer-style scale, 0 to 100 psi. Brass body/nylon knob. Stainless steel poppet/fluorocarbon O-ring.

Preset Setting (psi)	(M)NPT Inlet (in.)	(F)NPT Outlet (in.)	Rated CFM @ Set Pressure	Mfr. Model	Item No.
125 psi	$\frac{1}{4}$ in	—	—	NC25-1UK002	6D915
Adjustable Vacuum/Pressure Relief Valves - Max. 250 °F					
—	—	—	—	VR25-100	5Z763
0 to 14.7	$\frac{3}{8}$	—	—	VR38-100	5Z764
—	$\frac{3}{4}$	—	—	VR75-100	5Z765
—	1	—	—	VR10-013	3ETU7
0 to 20	—	—	2 cfm	PR25-000	36JN35
—	$\frac{3}{8}$	—	5 cfm	PR38-000	36JN37
50 to 125	$\frac{1}{4}$	—	2 cfm	PR25-008	36JN36
ASME Hard-Seat Air Safety Valves - Max. 400 °F					
125 psi	$\frac{1}{2}$ in	—	266 cfm	SN50-1A125	4TK23
150 psi	$\frac{1}{2}$ in	—	314 cfm	SN50-1A150	4TK24
165 psi	$\frac{1}{2}$ in	—	140 cfm	SA25-1L165	5A714
—	$\frac{3}{4}$ in	—	168 cfm	SA25-1L200	5A715
200 psi	$\frac{3}{8}$ in	—	168 cfm	SA38-1L200	5A716
—	$\frac{1}{2}$ in	—	411 cfm	SN50-1A200	4TK25
ASME Soft-Seat Air Safety Valves - Max. 250 °F					
60 psi	$\frac{1}{4}$ in	—	61 cfm	ST25-1A060	5A707
75 psi	$\frac{1}{8}$ in	—	74 cfm	ST2512-1A075	5LGJ5
125 psi	$\frac{1}{4}$ in	—	115 cfm	ST25-1A125	5A708
—	$\frac{1}{2}$ in	—	232 cfm	SF50-1A125	6D924
150 psi	$\frac{1}{4}$ in	—	136 cfm	ST25-1A150	5A709
—	$\frac{1}{2}$ in	—	274 cfm	SF50-1A150	6D925
—	$\frac{3}{4}$ in	—	178 cfm	ST25-1A200	5A710
200 psi	$\frac{3}{8}$ in	—	178 cfm	ST2533-1A200	5A711
—	$\frac{1}{2}$ in	—	358 cfm	SF50-1A200	6D926
High-Capacity ASME Air Safety Valves - Max. 250 °F					
125 psi	$\frac{3}{4}$ in	—	504 cfm	SB75-0A125	6D922
—	1 in	—	1,053 cfm	SW10-0A125	6D920
150 psi	1 in	—	1,244 cfm	SW10-0A150	6D921
Threaded Outlet ASME Safety Valves - Max. 250 °F					
—	$\frac{1}{2}$ in	$\frac{3}{4}$ in	496 cfm	SCB5075-0A125	4TK17
125 psi	$\frac{1}{2}$ in	1 in	496 cfm	SCB5010-0A125	4TK15
—	$\frac{3}{4}$ in	$\frac{3}{4}$ in	496 cfm	SCB7375-0A125	4TK21
—	$\frac{1}{2}$ in	1 in	496 cfm	SCB7510-0A125	4TK19
—	$\frac{1}{2}$ in	$\frac{3}{4}$ in	586 cfm	SCB5075-0A150	4TK18
150 psi	$\frac{3}{4}$ in	$\frac{3}{4}$ in	586 cfm	SCB5010-0A150	4TK16
—	$\frac{3}{4}$ in	1 in	586 cfm	SCB7510-0A150	4TK22
Variable Pressure - Max. 250 °F					
1 to 100 psi	$\frac{1}{4}$ in	—	—	CR25-100	4TK26



6D915



5A709

4TK15

4TK26



6X209

6X213



2A165



4X829



Check Valves

Compact—Brass body check valves, stainless steel spring, and stainless steel ball on Viton O-ring. Max. pressure: 250 psi.

Compressor In-Tank and Valves For Tubing—Brass body, fluoropolymer poppet, and stainless steel springs. Max. pressure: 400 psi. External threads coated with thread sealant. $\frac{1}{8}$ " (F)NPT tapped unloader port with removable plug.

Bronze—Valves open at less than 3 psi; withstand up to 400 psi back pressure. $\frac{1}{8}$ " tap for pressure switch unloader connection. Vertical or horizontal mounting.

Unloader and Check Valves—Brass body, PTFE seals, and stainless steel springs. Max. working pressure: 250 psi. 5A703 to 5A706 have (F)NPT inlet and (M)NPT outlet to tank. 4X996 to 4X999 are threaded to accept compression fitting at inlet.

In-line—Valves open at less than 1 psi with max. operating pressure of 400 psi. All-brass bodies with glass-filled PTFE poppets and stainless steel springs. 4X828 and 4X829 have $\frac{1}{8}$ " (F)NPT tapped port for pressure switch unloader connection.

Inlet (in.)	Outlet (in.)	Flow Range Free Air (cfm)	Max. Temp. (°F)	L (in.)	Mfr. Model	Brand	Item No.
Compact							
$\frac{1}{4}$ (M)NPT	$\frac{1}{4}$ (M)NPT	1 to 9	250 °F	1 $\frac{1}{2}$ in	M2525-1WA	Control Devices	6D914
$\frac{1}{4}$ (F)NPT	$\frac{1}{4}$ in (M)NPT	1 to 9	250 °F	1 $\frac{1}{8}$ in	P2525-1WA	Control Devices	6D917
Compressor In-Tank							
$\frac{3}{8}$ (F)NPT	$\frac{1}{2}$ (M)NPT	0 to 20	400 °F	2 $\frac{3}{4}$ in	P3850-1EP	Control Devices	6X207
$\frac{1}{2}$ (F)NPT	$\frac{1}{2}$ (M)NPT	0 to 20	400 °F	3 in	P5050-1EP	Control Devices	6X208
$\frac{3}{4}$ (F)NPT	$\frac{3}{4}$ (M)NPT	0 to 30	400 °F	3 $\frac{1}{4}$ in	P7575-1EP	Control Devices	6X209
$\frac{3}{4}$ (F)NPT	1 (M)NPT	0 to 60	400 °F	3 $\frac{1}{2}$ in	P7510-1EP	Control Devices	6D918
1 (F)NPT	1 (M)NPT	0 to 60	400 °F	3 $\frac{3}{8}$ in	P1010-1EP	Control Devices	6X210
1 $\frac{1}{4}$ (F)NPT	1 $\frac{1}{2}$ (M)NPT	0 to 130	400 °F	4 $\frac{3}{8}$ in	P1212-1EP	Control Devices	6X211
Valves for Tubing - Inlet Thread for Compression Fitting							
$\frac{1}{2}$ OD	$\frac{1}{2}$ (M)NPT	0 to 20	400 °F	2 $\frac{1}{2}$ in	C5050-1EP	Control Devices	6X213
$\frac{3}{4}$ OD	$\frac{1}{2}$ (M)NPT	0 to 30	400 °F	3 in	C7550-1EP	Control Devices	6X214
$\frac{3}{4}$ OD	$\frac{3}{4}$ (M)NPT	0 to 30	400 °F	3 $\frac{1}{2}$ in	C7575-1EP	Control Devices	6X215
$\frac{3}{4}$ OD	1 (M)NPT	0 to 30	400 °F	3 $\frac{3}{8}$ in	C7510-1EP	Control Devices	6X216
Bronze							
$\frac{1}{8}$ (F)NPT	$\frac{1}{8}$ (F)NPT	0 to 12	450 °F	1 $\frac{3}{4}$ in	CB13	Control Devices	6D906
$\frac{1}{4}$ (F)NPT	$\frac{1}{4}$ (F)NPT	0 to 12	450 °F	1 $\frac{3}{4}$ in	CB25	Control Devices	5X780
$\frac{3}{8}$ (F)NPT	$\frac{3}{8}$ (F)NPT	0 to 22	450 °F	2 $\frac{3}{16}$ in	CB33	Control Devices	5X781
$\frac{1}{2}$ (F)NPT	$\frac{1}{2}$ (F)NPT	0 to 38	450 °F	2 $\frac{1}{2}$ in	CB50	Control Devices	5X782
$\frac{3}{4}$ (F)NPT	$\frac{3}{4}$ (F)NPT	0 to 60	450 °F	2 $\frac{1}{2}$ in	CB75	Control Devices	5X783
1 (F)NPT	1 (F)NPT	0 to 115	450 °F	3 $\frac{1}{2}$ in	CB10	Control Devices	2A165
1 $\frac{1}{4}$ (F)NPT	1 $\frac{1}{4}$ (F)NPT	0 to 160	450 °F	3 $\frac{3}{8}$ in	CB12	Control Devices	2A166
1 $\frac{1}{2}$ (F)NPT	1 $\frac{1}{2}$ (F)NPT	0 to 160	450 °F	4 $\frac{1}{8}$ in	CB15	Control Devices	6D907
2 (F)NPT	2 (F)NPT	0 to 220	450 °F	4 $\frac{1}{2}$ in	CB20	Control Devices	6D908
Unloader and Check Valves							
Unloader							
$\frac{1}{8}$	—	0 to 1	250 °F	$\frac{5}{8}$ in	CS12-100	Control Devices	36JN38
$\frac{1}{4}$	—	0 to 2	250 °F	$\frac{49}{64}$ in	CS25-100	Control Devices	36JN39
Unloader, NPT Inlet							
$\frac{1}{4}$ (F)NPT	$\frac{1}{4}$ (M)NPT	1 to 6	450 °F	1 $\frac{3}{4}$ in	PA6-1A	Control Devices	5A703
$\frac{3}{8}$ (F)NPT	$\frac{3}{8}$ (M)NPT	3 to 12	450 °F	1 $\frac{1}{8}$ in	PA12-1A	Control Devices	5A704
$\frac{1}{2}$ (F)NPT	$\frac{1}{2}$ (M)NPT	8 to 24	450 °F	2 $\frac{1}{4}$ in	PA24-1A	Control Devices	5A705
$\frac{3}{4}$ (F)NPT	$\frac{3}{4}$ (M)NPT	15 to 48	450 °F	2 $\frac{3}{8}$ in	PA48-1A	Control Devices	5A706
Unloader Check Valves, Compression Fit Inlet							
$\frac{3}{8}$ OD	$\frac{1}{4}$ (M)NPT	1 to 6	450 °F	1 $\frac{1}{8}$ in	CA6-1A	Control Devices	4X996
$\frac{1}{2}$ OD	$\frac{3}{8}$ (M)NPT	3 to 12	450 °F	1 $\frac{1}{16}$ in	CA12-1A	Control Devices	4X997
$\frac{3}{4}$ OD	$\frac{1}{2}$ (M)NPT	8 to 24	450 °F	2 $\frac{1}{8}$ in	CA24-1A	Control Devices	4X998
$\frac{3}{4}$ OD	$\frac{3}{4}$ (M)NPT	15 to 48	450 °F	2 $\frac{3}{16}$ in	CA48-1A	Control Devices	4X999
In-Line							
$\frac{1}{4}$ (F)NPT	$\frac{1}{4}$ (F)NPT	0 to 12	400 °F	2 $\frac{1}{2}$ in	IC25-AB	Control Devices	3ETU5
$\frac{3}{8}$ (F)NPT	$\frac{3}{8}$ (F)NPT	0 to 12	400 °F	2 $\frac{1}{2}$ in	IC38-AB	Control Devices	3ETU6
$\frac{1}{2}$ (F)NPT	$\frac{1}{2}$ (F)NPT	0 to 20	400 °F	2 $\frac{1}{2}$ in	IC50	Control Devices	4X828
$\frac{3}{4}$ (F)NPT	$\frac{3}{4}$ (F)NPT	0 to 30	400 °F	3 $\frac{1}{4}$ in	IC75	Control Devices	4X829
1 (F)NPT	1 (F)NPT	60	450 °F	4 in	CLB1	Conrader	12U306
1 $\frac{1}{2}$ (F)NPT	1 $\frac{1}{2}$ (F)NPT	90	450 °F	4 $\frac{1}{2}$ in	CLB112112-HF-FS	Conrader	12U307



3X818

39EN81

Unloader Pilot Valves

Use on compressors with suction valve head unloaders. Easy opening manual unloader sleeve allows start-up under no load conditions. Forged brass body; stainless steel springs and ball. 3X818 includes $\frac{1}{4}$ " x $\frac{1}{4}$ " (M) NPT adapter.



Pressure Range (psi)	(F)NPT Outlet (in.)	Preset Setting (psi)	Max. Temp. (°F)	Max. Working Pressure (psi)	Mfr. Model	Brand	Item No.
95 to 250	$\frac{1}{8}$	—	350	250	P250-F	Control Devices	3X818
20 to 1200 psi	$\frac{3}{8}$ in	95 to 125 psi	350 Degrees F	1,200	RCL-S-HU-95-125	Conrader	39EN84
20 to 1200 psi	$\frac{3}{8}$ in	125 to 150 psi	350 Degrees F	1,200	RCL-S-HU-125-150	Conrader	39EN81
20 to 1200 psi	$\frac{3}{8}$ in	145 to 175 psi	350 Degrees F	1,200	RCL-S-HU-145-175	Conrader	39EN82