



Safety Valves

Adjustable Noncode—Pressure range of 25 to 200 psi. Features brass body with silicone rubber seal and stainless steel springs. 1/16" 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/fluoro-carbon O-ring.



6D915



5A709



4TK15



4TK26

| Preset Setting (psi) | (M)NPT Inlet (in.) | (F)NPT Outlet (in.) | Rated CFM @ Set Pressure | Mfr. Model | Item No. |
|---|--------------------|---------------------|--------------------------|---------------|----------|
| 125 psi | 1/4 in | — | — | NC25-1UK002 | 6D915 |
| Adjustable Vacuum/Pressure Relief Valves - Max. 250 *F | | | | | |
| 0 to 14.7 | 3/8 | — | — | VR25-100 | 5Z763 |
| | 1/2 | — | — | VR38-100 | 5Z764 |
| | 3/4 | — | — | VR75-100 | 5Z765 |
| | 1 | — | — | VR10-013 | 3ETU7 |
| 0 to 20 | — | — | 2 cfm | PR25-000 | 36JN35 |
| | — | — | 5 cfm | PR38-000 | 36JN37 |
| | — | — | 2 cfm | PR25-008 | 36JN36 |
| ASME Hard-Seat Air Safety Valves - Max. 400 *F | | | | | |
| 125 psi | 1/2 in | — | 266 cfm | SN50-1A125 | 4TK23 |
| 150 psi | 1/2 in | — | 314 cfm | SN50-1A150 | 4TK24 |
| 165 psi | 1/4 in | — | 140 cfm | SA25-1L165 | 5A714 |
| | 3/4 in | — | 168 cfm | SA25-1L200 | 5A715 |
| 200 psi | 1/2 in | — | 168 cfm | SA38-1L200 | 5A716 |
| | 3/8 in | — | 411 cfm | SN50-1A200 | 4TK25 |
| ASME Soft-Seat Air Safety Valves - Max. 250 *F | | | | | |
| 60 psi | 1/4 in | — | 61 cfm | ST25-1A060 | 5A707 |
| 75 psi | 1/4 in | — | 74 cfm | ST2512-1A075 | 5LGJ5 |
| 125 psi | 1/4 in | — | 115 cfm | ST25-1A125 | 5A708 |
| | 1/2 in | — | 232 cfm | SF50-1A125 | 6D924 |
| 150 psi | 1/4 in | — | 136 cfm | ST25-1A150 | 5A709 |
| | 1/2 in | — | 274 cfm | SF50-1A150 | 6D925 |
| | 3/4 in | — | 178 cfm | ST25-1A200 | 5A710 |
| 200 psi | 3/8 in | — | 178 cfm | ST2533-1A200 | 5A711 |
| | 1/2 in | — | 358 cfm | SF50-1A200 | 6D926 |
| High-Capacity ASME Air Safety Valves - Max. 250 *F | | | | | |
| 125 psi | 3/4 in | — | 504 cfm | SB75-0A125 | 6D922 |
| | 1 in | — | 1,053 cfm | SN10-0A125 | 6D920 |
| 150 psi | 3/4 in | — | 595 cfm | SB75-1A150 | 6D923 |
| | 1 in | — | 1,244 cfm | SN10-0A150 | 6D921 |
| Threaded Outlet ASME Safety Valves - Max. 250 *F | | | | | |
| 125 psi | 1/2 in | 3/4 in | 496 cfm | SCB5075-0A125 | 4TK17 |
| | 3/4 in | 1 in | 496 cfm | SCB5010-0A125 | 4TK15 |
| | 3/4 in | 3/4 in | 496 cfm | SCB7575-0A125 | 4TK15 |
| | 3/4 in | 1 in | 496 cfm | SCB7510-0A125 | 4TK19 |
| | 1/2 in | 3/4 in | 586 cfm | SCB5075-0A150 | 4TK18 |
| | 1/2 in | 1 in | 586 cfm | SCB5010-0A150 | 4TK16 |
| 150 psi | 3/4 in | 3/4 in | 586 cfm | SCB7575-0A150 | 4TK22 |
| | 3/4 in | 1 in | 586 cfm | SCB7510-0A150 | 4TK20 |
| Variable Pressure - Max. 250 *F | | | | | |
| 1 to 100 psi | 1/4 in | — | — | CR25-100 | 4TK26 |



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. 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. 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 1/8" (F)NPT tapped port for pressure switch unloader connection.



6X209



6X213



2A165



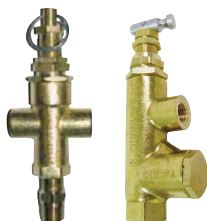
4X829

| Inlet (in.) | Outlet (in.) | Flow Range Free Air (cfm) | Max. Temp. (*F) | L (in.) | Mfr. Model | Brand | Item No. |
|---|---------------|---------------------------|-----------------|------------|-----------------|-----------------|----------|
| Compact | | | | | | | |
| 1/4 (M)NPT | 1/4 (M)NPT | 1 to 9 | 250 *F | 1 1/2 in | M2525-1WA | Control Devices | 6D914 |
| 1/4 (F)NPT | 1/4 in (M)NPT | 1 to 9 | 250 *F | 1 1/8 in | P2525-1WA | Control Devices | 6D917 |
| Compressor In-Tank | | | | | | | |
| 3/8 (F)NPT | 1/2 (M)NPT | 0 to 20 | 400 *F | 2 3/4 in | P3850-1EP | Control Devices | 6X207 |
| 1/2 (F)NPT | 1/2 (M)NPT | 0 to 20 | 400 *F | 3 in | P5050-1EP | Control Devices | 6X208 |
| 3/4 (F)NPT | 3/4 (M)NPT | 0 to 30 | 400 *F | 3 1/4 in | P7575-1EP | Control Devices | 6X209 |
| 3/4 (F)NPT | 1 (M)NPT | 0 to 60 | 400 *F | 3 1/2 in | P7510-1EP | Control Devices | 6D918 |
| 1 (F)NPT | 1 (M)NPT | 0 to 60 | 400 *F | 3 3/8 in | P1010-1EP | Control Devices | 6X210 |
| 1 1/4 (F)NPT | 1 1/4 (M)NPT | 0 to 130 | 400 *F | 4 3/8 in | P1212-1EP | Control Devices | 6X211 |
| Valves for Tubing - Inlet Thread for Compression Fitting | | | | | | | |
| 1/2 OD | 1/2 (M)NPT | 0 to 20 | 400 *F | 2 1/2 in | C5050-1EP | Control Devices | 6X213 |
| 3/4 OD | 1/2 (M)NPT | 0 to 30 | 400 *F | 3 in | C7550-1EP | Control Devices | 6X214 |
| 1 OD | 3/4 (M)NPT | 0 to 30 | 400 *F | 3 1/2 in | C7575-1EP | Control Devices | 6X215 |
| 3/4 OD | 1 (M)NPT | 0 to 30 | 400 *F | 3 3/8 in | C7510-1EP | Control Devices | 6X216 |
| Bronze | | | | | | | |
| 1/8 (F)NPT | 1/8 (F)NPT | 0 to 12 | 450 *F | 1 3/4 in | CB13 | Control Devices | 6D906 |
| 1/4 (F)NPT | 1/4 (F)NPT | 0 to 12 | 450 *F | 1 3/4 in | CB25 | Control Devices | 5X780 |
| 3/8 (F)NPT | 3/8 (F)NPT | 0 to 22 | 450 *F | 2 3/16 in | CB33 | Control Devices | 5X781 |
| 1/2 (F)NPT | 1/2 (F)NPT | 0 to 38 | 450 *F | 2 1/2 in | CB50 | Control Devices | 5X782 |
| 3/4 (F)NPT | 3/4 (F)NPT | 0 to 60 | 450 *F | 2 1/2 in | CB75 | Control Devices | 5X783 |
| 1 (F)NPT | 1 (F)NPT | 0 to 115 | 450 *F | 3 1/2 in | CB10 | Control Devices | 2A165 |
| 1 1/4 (F)NPT | 1 1/4 (F)NPT | 0 to 160 | 450 *F | 3 3/8 in | CB12 | Control Devices | 2A166 |
| 1 1/2 (F)NPT | 1 1/2 (F)NPT | 0 to 160 | 450 *F | 4 1/8 in | CB15 | Control Devices | 6D907 |
| 2 (F)NPT | 2 (F)NPT | 0 to 220 | 450 *F | 4 1/2 in | CB20 | Control Devices | 6D908 |
| Unloader and Check Valves | | | | | | | |
| Unloader | | | | | | | |
| 1/8 | — | 0 to 1 | 250 *F | 5/8 in | CS12-100 | Control Devices | 36JN38 |
| 3/8 | — | 0 to 2 | 250 *F | 49/64 in | CS25-100 | Control Devices | 36JN39 |
| Unloader, NPT Inlet | | | | | | | |
| 1/4 (F)NPT | 1/4 (M)NPT | 1 to 6 | 450 *F | 1 3/4 in | PA6-1A | Control Devices | 5A703 |
| 3/8 (F)NPT | 3/8 (M)NPT | 3 to 12 | 450 *F | 1 13/16 in | PA12-1A | Control Devices | 5A704 |
| 1/2 (F)NPT | 1/2 (M)NPT | 8 to 24 | 450 *F | 2 1/4 in | PA24-1A | Control Devices | 5A705 |
| 3/4 (F)NPT | 3/4 (M)NPT | 15 to 48 | 450 *F | 2 3/8 in | PA48-1A | Control Devices | 5A706 |
| Unloader Check Valves, Compression Fit Inlet | | | | | | | |
| 3/8 OD | 1/4 (M)NPT | 1 to 6 | 450 *F | 1 9/16 in | CA6-1A | Control Devices | 4X996 |
| 1/2 OD | 3/8 (M)NPT | 3 to 12 | 450 *F | 1 11/16 in | CA12-1A | Control Devices | 4X997 |
| 3/4 OD | 1/2 (M)NPT | 8 to 24 | 450 *F | 2 1/8 in | CA24-1A | Control Devices | 4X998 |
| 3/4 OD | 3/4 (M)NPT | 15 to 48 | 450 *F | 2 3/16 in | CA48-1A | Control Devices | 4X999 |
| In-Line | | | | | | | |
| 1/4 (F)NPT | 1/4 (F)NPT | 0 to 12 | 400 *F | 2 1/8 in | IC25-AB | Control Devices | 3ETU5 |
| 3/8 (F)NPT | 3/8 (F)NPT | 0 to 12 | 400 *F | 2 1/8 in | IC38-AB | Control Devices | 3ETU6 |
| 1/2 (F)NPT | 1/2 (F)NPT | 0 to 20 | 400 *F | 2 7/8 in | IC50 | Control Devices | 4X828 |
| 3/4 (F)NPT | 3/4 (F)NPT | 0 to 30 | 400 *F | 3 1/4 in | IC75 | Control Devices | 4X829 |
| 1 (F)NPT | 1 (F)NPT | 60 | 450 *F | 4 in | CLB1 | Conrader | 12U306 |
| 1 1/2 (F)NPT | 1 1/2 (F)NPT | 90 | 450 *F | 4 1/2 in | CLB112112-HF-FS | Conrader | 12U307 |



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 1/4" x 1/4" (M) NPT adapter.



3X818

39EN81

| 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 | 1/8 | — | 350 | 250 | P25G-F | Control Devices | 3X818 |
| 20 to 1200 psi | 3/8 in | 95 to 125 psi | 350 Degrees F | 1,200 | RCL-S-HU-95-125 | Conrader | 39EN84 |
| 20 to 1200 psi | 3/8 in | 125 to 150 psi | 350 Degrees F | 1,200 | RCL-S-HU-125-150 | Conrader | 39EN81 |
| 20 to 1200 psi | 3/8 in | 145 to 175 psi | 350 Degrees F | 1,200 | RCL-S-HU-145-175 | Conrader | 39EN82 |