

SERIES 130 SAFETY VALVES

Our Series 130 air/gas and steam safety valves are designed for safety and pressure relief for light and medium capacity applications; where a smaller sized valve is needed. Many are manufactured to meet specific field and OEM applications.

Temperatures -20°F (-29°C) to 406°F (208°C)

ASME and National Board Certified for Section XIII "UV" for ASME Section VIII Div. 1 service as well as CRN Certifications.

**Series
130**



SERIES 130

Features a top outlet bonnet with an open lift lever.

SERIES 132

Features a top outlet bonnet with a lift lever and cap.

SERIES 133

Features a side outlet bonnet with a lift lever and a cap.

SERIES 135

Features a side outlet bonnet with a closed cap.

Usages: Compressors, Receivers, Gas lines, Steam lines, Air and Gas receivers, Piping system/tanks, Steam cleaners, sterilizers, Autoclaves

Features:

- Fixed blow-down
- Brass/bronze construction
- Metal-to-metal seating
- Rugged, yet economical
- Stainless steel springs
- Factory set and sealed
- Excellent seat tightness

Options:

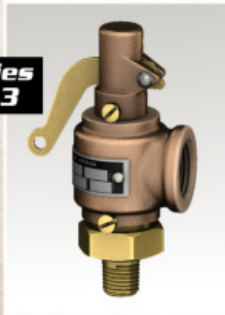
- Stainless body and disc
- Polishing and chrome plating
- O2 cleaning
- Variety of inlets/outlets and lift levers or pull ring
- BSPT connections

**Series
135**



Stainless Steel

**Series
133**



**Series
135**



Set pressures below 15 psig (1.03 barg) and above 200 psig (13.8 barg) are NON-Code.

Maximum back-pressure is 10% of set pressure or 50 psig (3.45 barg) whichever is less.

Lifting Device as required by the ASME,

ASME Section XIII: 3.2.7(a)

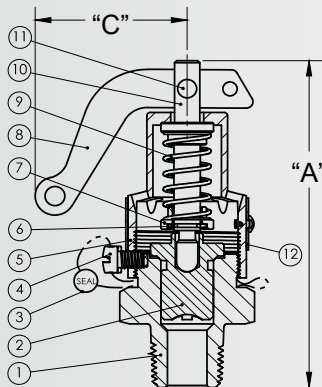
Section VIII (UV Designator) pressure relief valves intended for use on air or steam service, or on water service where the valve inlet temperature exceeds 60°C(140°F) excluding overpressure or relief events, shall have a substantial lifting device that, when activated, will release the seating force on the disk when the pressure relief valve is subjected to a pressure of at least 75% of the set pressure of the valve.



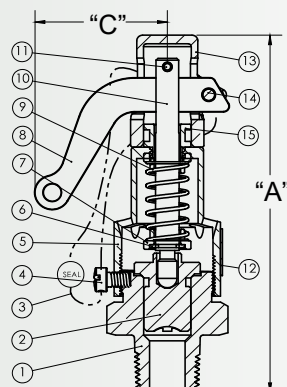
SERIES 130 INFORMATION

SERIES 130 THRU 135 PART NUMBERS

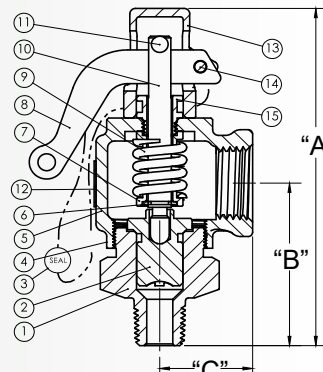
| 130 | B | A | 1 | M | 1 | K | 1 | 125 |
|-------------------------------------|----------------------------------|---------------------|----------------------------|----------|--|--|---|--------|
| SERIES/DESCRIPTION | INLET/OUTLET | METALS | CONNECTION | SEATING | CAP | SERVICE | OPTIONS | SET |
| 130 Top Outlet w/Lift Lever | A- 1/4" B- 3/8" | A- Brass Bronze | 1- NPT MxF 2- NPT FxF | M- Metal | 1- Lift lever 2- Closed Cap H- Hood and Lift Lever | K- ASME XIII "UV" Air/gas L- ASME XIII "UV" Steam N- Non-code Air/gas T- Non-code Steam | 1- None 2- Chrome Plating 3- O2 Cleaned | Ex.125 |
| 132 Top Outlet Hood And Lift Lever | C- 1/2" | B- 316 SS Bronze | 3- BSPT MxF 4- BSPT FxF | | | | | |
| 133 Side Outlet Hood And Lift Lever | A- 1/4" x 1/2" B- 3/8" x 1/2" | | | | | | | |
| 135 Side Outlet Closed Cap | C- 1/2" x 1/2" | | | | | | | |



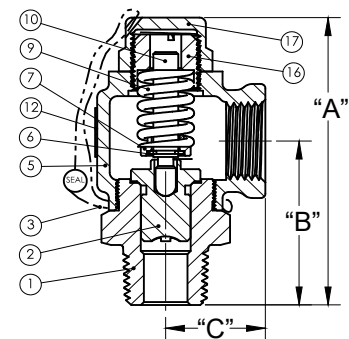
Series 130



Series 132



Series 133



Series 135

| SERIES | INLET SIZES | METALS | MIN. TEMP °F (°C) | MAX. TEMP ^{3,4} °F (°C) | MAX PRESSURE ^{1,2} psig (barg) | SERVICES | CERTIFICATIONS |
|------------|-----------------|------------------|-------------------|----------------------------------|---|-------------------|---------------------|
| Series 130 | 1/4", 3/8"/1/2" | Brass/Bronze | -20° (-29°) | 406° (208°) | 200 (13.8) | Air / Gas / Steam | ASME XIII "UV", CRN |
| | 1/4", 3/8"/1/2" | Stainless/Bronze | -20° (-29°) | 425° (218°) | 200 (13.8) | Air / Gas / Steam | ASME XIII "UV", CRN |

SERIES 130 THRU 135

| ITEM | DESCRIPTION | BRASS OPTION | STAINLESS OPTION |
|------|----------------|-----------------|------------------|
| 1 | Body | B16 Brass | SA479-316 SS |
| 2 | Disc | B62-C83600 | SA479-316 SS |
| 3 | Seal Wire | Steel/Lead | Steel/Lead |
| 4 | Lock Screw | B16 Brass | B16 Brass |
| 5 | Bonnet | B16/B584-C84400 | B16/B584-C84400 |
| 6 | Support | Stainless | Stainless |
| 7 | Spring Plate | B16 Brass | B16 Brass |
| 8 | Lift Lever | Plated Steel | Plated Steel |
| 9 | Spring | 302 SS | 302 SS |
| 10 | Spring Post | B16 Brass | B16 Brass |
| 11 | Lift Pin | B16 Brass | B16 Brass |
| 12 | Nameplate | Stainless | Stainless |
| 13 | Hood | B584-C84400 | B584-C84400 |
| 14 | Lever Pin | B16 Brass | B16 Brass |
| 15 | Hood Mount | B16 Brass | B16 Brass |
| 16 | Pressure Screw | B16 Brass | B16 Brass |
| 17 | Hood | B16 Brass | B16 Brass |

SERIES 130 CAPACITY AIR - SCFM

| SLOPE | SET psig | 10 | 20 | 30 | 40 | 50 | 60 | 75 | 100 | 125 | 150 | 175 | 200 |
|-------|----------|----|----|----|----|----|----|----|-----|-----|-----|-----|-----|
| 0.403 | SCFM | 11 | 15 | 19 | 24 | 28 | 33 | 39 | 50 | 61 | 72 | 84 | 95 |

SERIES 130 CAPACITY STEAM - Lbs/hr

| SLOPE | SET psig | 10 | 20 | 30 | 40 | 50 | 60 | 75 | 100 | 125 | 150 | 175 | 200 |
|-------|----------|----|----|----|----|----|----|-----|-----|-----|-----|-----|-----|
| 1.130 | Lbs/Hr | 31 | 43 | 54 | 66 | 79 | 91 | 110 | 141 | 172 | 203 | 234 | 265 |

Set pressures not limited to this chart. Specify when ordering.
Capacities are at 3 psig or 10% (whichever is greater) over set pressure

SERIES 130 THRU 135

| SERIES | INLET | OUTLET | SEAT | DIMENSIONS - in (mm) | | | MAX SET psig (barg) | WEIGHT Lbs. (Kg) |
|--------|----------------|--------|------|----------------------|-------------|-------------|---------------------|------------------|
| | | | | A | B | C | | |
| 130 | 1/4"-3/8"-1/2" | Top | 1/2" | 3-1/4" (83) | - | 1-1/2" (38) | 200 (13.8) | 1/2 (0.2) |
| 132 | 1/4"-3/8"-1/2" | Top | 1/2" | 3-7/8" (98) | - | 1-3/8" (35) | 200 (13.8) | 3/4 (0.3) |
| 133 | 1/4"-3/8"-1/2" | 1/2" | 1/2" | 3-3/4" (95) | 1-7/8" (48) | 1-1/8" (29) | 200 (13.8) | 5/8 (0.3) |
| 135 | 1/4"-3/8"-1/2" | 1/2" | 1/2" | 3" (76) | 1-3/4" (44) | 1-1/8" (29) | 200 (13.8) | 5/8 (0.3) |