



KUNKLE MODEL 930 SAFETY VALVES

SAFETY AND RELIEF PRODUCTS

High capacity cast iron safety valve that meets ASME section IV steam standard 'HV' and is National Board certified



FEATURES

- Extra high capacity for industrial, commercial and residential low pressure steam heating boilers.
- Cast iron body with bronze nozzle, disc and guide.
- Large seat area/guide area ratio and disc pivot design ensures optimum performance.
- Seats are lapped for optimum performance.
- Reversible lift lever for 'pull-up' or 'pull-down' manual testing.
- All adjustments factory sealed to prevent tampering or disassembly.
- Tested and inspected for pressure setting and leakage.

GENERAL APPLICATION

Model 930 is suitable for use on low pressure steam heating boilers to ASME code section IV at 15 psig set pressure.

TECHNICAL DATA

Sizes: 2", 2½", 3"
Connections: Threaded NPT
Temperature: 250°F (121°C)
Pressure: 15 psig (1 barg) only
Code: ASME IV



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PARTS AND MATERIALS

| No. | Part name | Materials |
|-------------------|-------------------------|------------------------------------|
| 1 | Set screw | SS |
| 2 | Nozzle | BRZ B584-C84400 or BRS B283-C48500 |
| 3 | Disc | BRZ B584-C84400 |
| 4 | Body | Cast Iron, A126 class A or B1 |
| 5 | Step spring | Brass B16 |
| 6 | Snap ring | SS, A151 |
| 7 | Wire and seal | SS wire and lead seal |
| 8 | Spring | Steel, A231 aluminum coated |
| 9 ^[3] | Compression screw guide | BRZ B584-C84400 |
| 10 | Lever | Steel |
| 11 | Lift washer | Brass, B16 |
| 12 | Stem | SS, A582-303 |
| 13 ^[2] | Gag bracket | Aluminum, SB211-6061-T6/anodized |
| 14 ^[2] | Threaded knob | Phenolic/stl, A108-1018 ZN PL |
| 15 ^[2] | Washer | Stl, A108-1018 ZN PL |
| 16 ^[2] | Retaining washer | Nylon |

NOTES

1. Finish heat resistant gray primer paint.
2. Gag assembly ships with valve, not installed. Applies only to gag option.
3. Modified with 2 threaded holes for gag assembly. Applies only to gag option.

SPECIFICATIONS^[1]

| Valve size ^[2] | Dimensions, in | | | Weight lb | Orifice area in ² | Capacity lb/h |
|---------------------------|----------------|-------|-------|-----------|------------------------------|---------------|
| | A | B | C | | | |
| 2" | 3 1/8 | 3 | 7 1/4 | 8 | 2.16 | 3164 |
| 2 1/2" | 3 3/4 | 3 1/2 | 8 1/4 | 12 | 3.08 | 4501 |
| 3" | 4 1/4 | 4 | 8 3/4 | 19 | 4.75 | 6949 |

NOTES

Dimensions are for reference only.

1. ASME section IV steam (U.S., lb/h): set pressure = 15 psig, flow coefficient = 0.818
2. Inlet and outlet are the same size.

SELECTION GUIDE

| | | | | | | | |
|-------------------|------------------|----------|----------|-----------|----------|-----------|-------------|
| Example: | 0930 | - | H | 01 | - | GC | 0015 |
| Model | 0930 | | | | | | |
| Inlet size | H | | | | | | |
| H | 2" | | | | | | |
| J | 2 1/2" | | | | | | |
| K | 3" | | | | | | |
| Variation | 01 | | | | | | |
| 01 | Catalog standard | | | | | | |
| 02 | With gag | | | | | | |



