

**KUNKLE SAFETY AND RELIEF PRODUCTS**  
MODELS 40R, 40RL

Non-code Steam Service, Sentinel Relief Valves



Model 40R

**Model descriptions**

**Model 40R:** 1/2" or 3/4" male NPT inlet with top discharge to give visible warning of system overpressure.

Overall height: 5 1/4"

Weight: 1 lb

**Model 40RL:** Same as 40R with plain lift lever.

Overall height: 6 1/2"

Weight: 1 1/4 lb

**Features**

- All parts are Stainless Steel (SS).
- Precision lapped beveled seats for optimum performance.
- Pivot between spring and disc corrects misalignment and compensates for spring side thrust.
- Each Kunkle valve is tested and inspected for pressure setting and leakage.

**Technical data****Pressure and Temperature Limits**

1 to 400 psig

-60° to 850°F

**Applications**

- Sentinel (warning) on steam equipment. Intended as audible warning device, not for pressure relief.
- Steam turbines.

**Note:**

1. For other valves suitable for sentinel (warning) service, see Model 1 (250 psig, 406°F) and Models 264, 265

# KUNKLE SAFETY AND RELIEF PRODUCTS

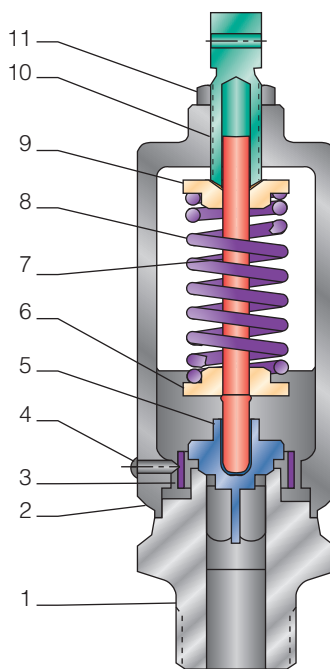
MODELS 40R, 40RL

## Steam Sentinel Valve, Sentinel Relief Valves

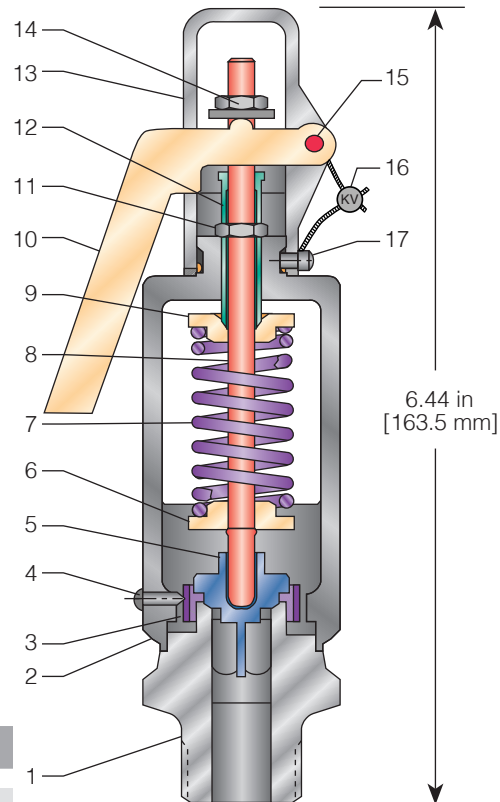
### Parts and Materials - 40R and 40RL

No.	Part Name	Material
1	Nozzle	SA479-316
2	Yoke	A743-CF8
3	Regulator Ring	A743-CF8
4	Lock Screw, Ring	SS 18-8
5	Disc	A743-CF8
6	Lower Spring Step	A582-303
7	Stem	A582-303
8	Spring	SA313-302
9	Upper Spring Step	SA582-303
10	Compression Screw	SA479-316
11	Jam Nut	18-8
12	Pressure Screw	A479-316
13	Hood	AL SB85 A380.0
14	Lift Nut	A108
15	Rivet	Commercial
16	Seal Wire	Commercial
17	Hood Set Screw	A108
18*	Nameplate	Commercial
19*	Drive Screw	A108

\* Part not shown on assembly



Model 40R



Model 40RL

### Model Number/Order Guide

Model Number Position	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15
Example	0	4	0	R	-	C	0	1	-	P	E	0	0	1	5

#### Model

040R  
40RL

#### Inlet Size

C - 1/2-inch  
D - 3/4-inch

#### Variation

01 - Catalog standard

#### Design Revision

Indicates non-interchangeable revision. Dash (-) if original design.

#### Service

P - Non-code steam

#### Spring Material

E - 302 SST

#### Set Pressure

0005 - 5 psig  
0400 - 400 psig



VALVES & CONTROLS

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