



## KUNKLE MODELS 40R/40RL SENTINEL RELIEF VALVES

SAFETY AND RELIEF PRODUCTS

Non-code steam service sentinel relief valves

MODEL 40R



### FEATURES

- All parts are stainless steel.
- Precision lapped beveled seats for optimum performance.
- Pivot between spring and disc corrects misalignment and compensates for spring side thrust.
- Tested and inspected for pressure setting and leakage.

### GENERAL APPLICATION

Models 40R and 40RL are suitable for sentinel (warning) on steam equipment, including steam turbines. They are intended as audible warning devices, not for pressure relief.

### TECHNICAL DATA

Connections: Threaded NPT  
Temperature range: -60° to 850°F  
(-51° to 454°C)  
Pressure range: 1 to 400 psig  
(.07 to 27.6 barg)

### NOTE

1. For other valves suitable for sentinel (warning) service, see Model 1 (250 psig, 406°F (17.2 barg, 208°C)) and Models 264, 265.

# KUNKLE MODELS 40R/40RL SENTINEL RELIEF VALVES

## SAFETY AND RELIEF PRODUCTS

### MODELS OVERVIEW

**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" (133 mm)

Weight: 1 lb (0.45 kg)

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

Overall height: 6 1/2" (165 mm)

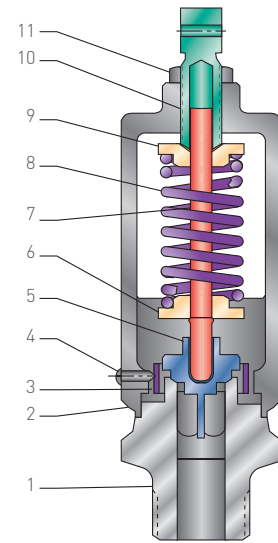
Weight: 1 1/4 lb (0.57 kg)

### PARTS AND MATERIALS - 40R AND 40RL

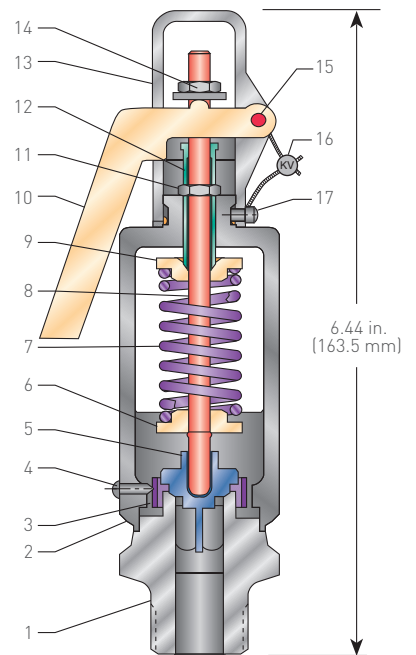
No.	Part name	Material
1	Nozzle	SA479-316
2	Yoke	A743-CF8
3	Regulator ring	A743-CF8
4	Lock screw, ring	SS 18-8
5	Disc	A743-CF8
6	Lower spring step	A582-303
7	Stem	A582-303
8	Spring	SA313-302
9	Upper spring step	SA582-303
10	Compression screw	SA479-316
11	Jam nut	18-8
12	Pressure screw	A479-316
13	Hood	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



### SELECTION GUIDE

**Example:** 040R - C 01 - P E 0015

#### Model

040R

040RL

#### Inlet size

C 1/2"

D 3/4"

#### 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