



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.

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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)

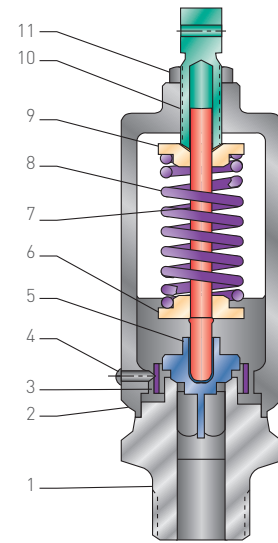
Weight: 1 1/4 lb (0.57 kg)

PARTS AND MATERIALS - 40R AND 40RL

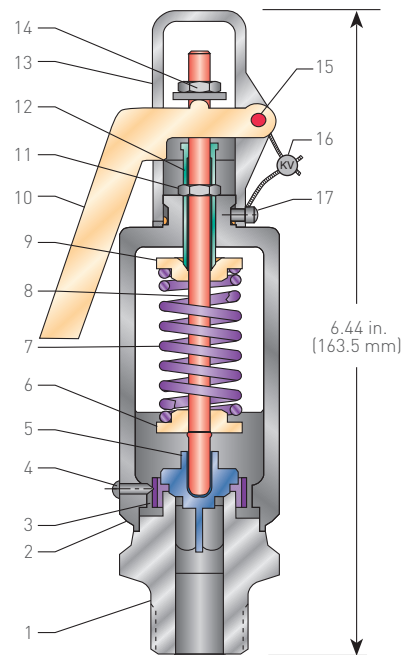
No.	Part name	Material
1	Nozzle	SA479-316
2	Yoke	A743-CF8
3	Regulator ring	A743-CF8
4	Lock screw, ring	SS 18-8
5	Disc	A743-CF8
6	Lower spring step	A582-303
7	Stem	A582-303
8	Spring	SA313-302
9	Upper spring step	SA582-303
10	Compression screw	SA479-316
11	Jam nut	18-8
12	Pressure screw	A479-316
13	Hood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

