



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: ½" or ¾" male NPT inlet with top discharge to give visible warning of system overpressure.
 Overall height: 5½" (133 mm)
 Weight: 1 lb (0.45 kg)

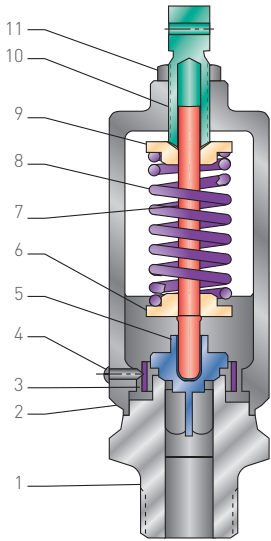
Model 40RL: as 40R with plain lift lever.
 Overall height: 6½" (165 mm)
 Weight: 1¼ lb (0.57 kg)

PARTS AND MATERIALS - 40R AND 40RL

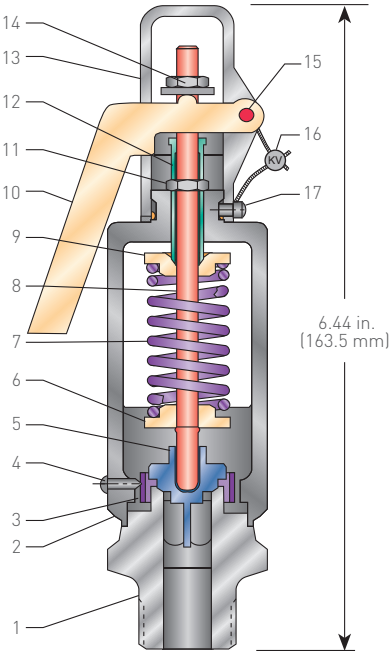
No.	Part name	Material
1	Nozzle	SA479-316
2	Yoke	A743-CF8
3	Regulator ring	A743-CF8
4	Lock screw, ring	SS 18-8
5	Disc	A743-CF8
6	Lower spring step	A582-303
7	Stem	A582-303
8	Spring	SA313-302
9	Upper spring step	SA582-303
10	Compression screw	SA479-316
11	Jam nut	18-8
12	Pressure screw	A479-316
13	Hood	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	½"							
D	¾"							
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							