

KUNKLE

Stainless Steel Liquid Safety Relief Valves

Features

- Compact design requires minimum installation space.
- Angle lapped seat provides tight shutoff.
- Each Kunkle valve is tested and inspected for pressure setting and leakage.

Applications

- A general utility valve of all Stainless Steel (SS) construction, including spring, for liquid.

Pressure and Temperature Limits

10 to 300 psig

-60° to 406°F

50 psig maximum back pressure¹

Note

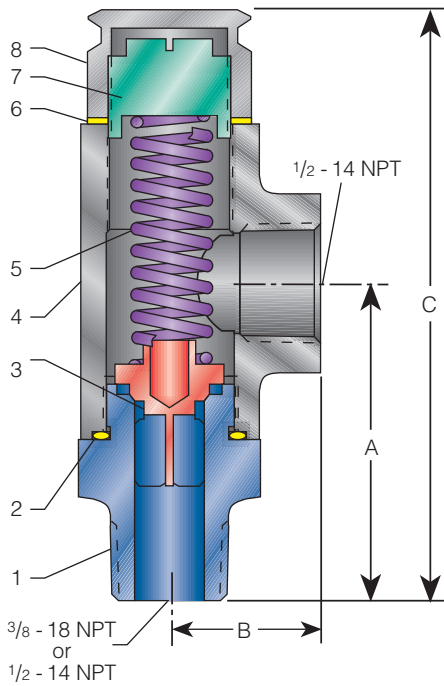
1. Back pressure increases set pressure on a one to one basis, and reduces capacity. Back pressure in excess of 10% of set pressure is not recommended.



Model 140

Kunkle Safety and Relief Products

Model 140



Parts and Materials

No.	Part Name	Material
1	Nozzle	SS A582-303
2	O-ring	Teflon®
3	Disc	SS A743-CF8
4	Bonnet	SS A743-CF8
5	Spring	SS A313-302
6	Gasket	Teflon®
7	Compression Screw	SS A479-304
8	Cap	SS A479-304

Specifications

Size		Dimensions, in			Weight (oz)
Inlet	Outlet	A	B	C	
3/8" or 1/2"	1/2"	2 1/4	1 1/16	4	14

Dimensions are for reference only.

Model Number/Order Guide

Model Number Position	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15
Example	0	1	4	0	—	B	0	1	—	M	E	0	1	0	0

Model

0140

Inlet Size

B - 3/8"
C - 1/2"

Variation (01 to 99)

01 - Catalog standard

Design Revision

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

Valve Service

M - Non-code, Water

Spring Material

E - 302 SS

Set Pressure

0050 - 50 psig
0300 - 300 psig

Capacities for Non-code Liquid - 25% Accumulation (GPM)

Set Pressure psig	Capacity GPM
10	0.9
20	1.5
30	2.1
40	2.8
50	3.4
60	4.1
70	4.8
80	5.5
90	6.2
100	6.9
110	7.6
120	8.3
130	9.0
140	9.6
150	10.2
160	10.8
170	11.3
180	11.8
190	12.3
200	12.8
210	13.2
220	13.5
230	13.8
240	14.1
250	14.3
260	14.5
270	14.6
280	14.6
290	14.6
300	14.5

KUNKLE

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