

**KUNKLE SAFETY AND RELIEF PRODUCTS**  
MODEL 140

Stainless Steel Liquid Safety Relief Valves



Model 140

**Features**

- **NEW** - Female 1/2" NPT inlet option available.
- Compact design requires minimum installation space.
- Angle lapped seat provides tight shutoff.
- Each Kunkle valve is tested and inspected for pressure setting and leakage.

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

10 to 300 psig  
-60° to 406°F  
50 psig maximum back pressure<sup>1</sup>

**Note:**

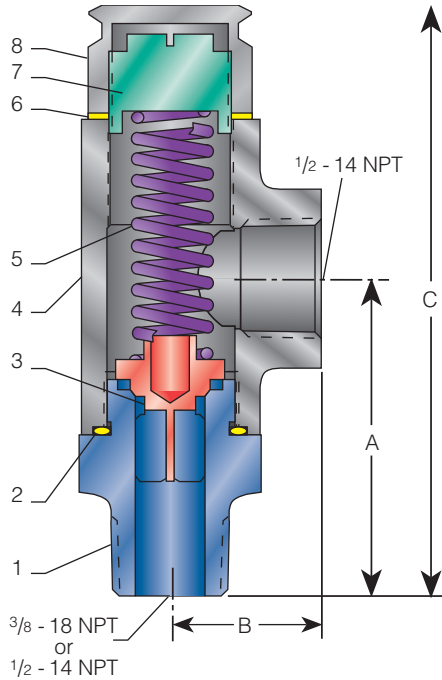
1. Back pressure increases set pressure on a one to one basis, and reduces capacity. Back pressure in excess of 10% of set pressure is not recommended.

**Applications**

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

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

Dimensions are for reference only.

## 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

## 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 - Catalog standard

02 - FNPT x FNPT (available 1/2" only)

### Design Revision

Indicates non-interchangeable revision.

Dash (-) if original design.

### Service

M - Non-code liquid

### Spring Material

E - 302 SS

### Set Pressure

0050 - 50 psig

0300 - 300 psig



VALVES & CONTROLS

5500 WAYZATA BLVD # 800, MINNEAPOLIS, MN 55416 WWW.PENTAIR.COM/VALVES

KUNKLE FACILITY PHONE: 1-828-669-3700 • WWW.KUNKLEVALVE.COM

All Pentair trademarks and logos are owned by Pentair, Ltd. All other brand or product names trademarks or registered marks of their respective owners.

Because we are continuously improving our products and services, Pentair reserves the right to change specifications without prior notice. Pentair is an equal opportunity employer.