



## KUNKLE MODEL 140 LIQUID RELIEF VALVE

SAFETY AND RELIEF PRODUCTS

Stainless steel liquid relief valve with a side outlet suitable for a variety of applications up to 300 psig (20.7 barg)



### FEATURES

- Compact design requires minimum installation space.
- Angle lapped seat provides tight shutoff.
- Tested and inspected for pressure setting and leakage.
- Female NPT inlet option available.
- 50 psig (3.45 barg) 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.

### GENERAL APPLICATION

Model 140 is a general utility valve of all stainless steel construction, including spring, for non-code liquid applications.

### TECHNICAL DATA

Connections:	Threaded NPT
Temperature range:	-60° to 406°F (-51° to 208°C)
Pressure range:	10 to 300 psig (.69 to 20.7 barg)

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## SAFETY AND RELIEF PRODUCTS

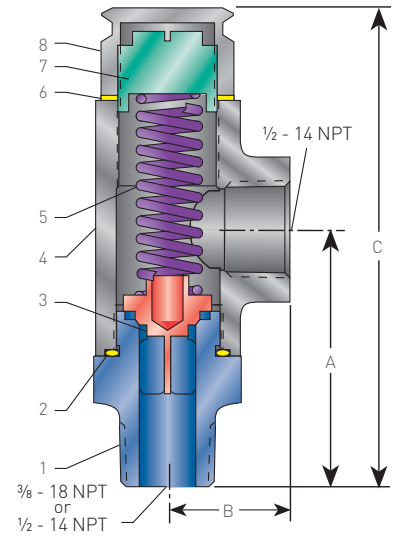
### PARTS AND MATERIALS

No.	Part name	Material
1	Nozzle	SS A582-303
2	O-ring	PTFE
3	Disc	SS A743-CF8
4	Bonnet	SS A743-CF8
5	Spring	SS A313-302
6	Gasket	PTFE
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



### SELECTION GUIDE

<b>Example:</b>	0140	-	B	01	-	M	E	0100
<b>Model</b>	0140							
<b>Inlet size</b>								
<b>B</b>	3/8"							
<b>C</b>	1/2"							
<b>Variation</b>								
<b>01</b>	Catalog standard							
<b>02</b>	FNPT x FNPT							
<b>Design revision</b>								
	Indicates non-interchangeable revision							
	Dash (-) if original design							
<b>Service</b>								
<b>M</b>	Non-code liquid							
<b>Spring material</b>								
<b>E</b>	302 SS							
<b>Set pressure</b>								
<b>0010</b>	10 psig							
<b>0300</b>	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



