



KINGSTON

Manufacturing reliable industrial valves for industry since 1908.

100SS

Kingston Safety Valve

Model 100SS

Kingston Safety Valve



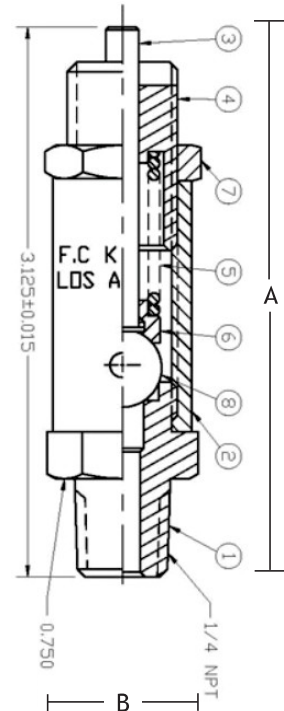
Features

- Small Air Systems Valve
- Available Sizes: 1/8" to 1/2" NPT
- Maximum Temperature is -400 °F
- Pop-Style Safety Valve for Non-Code Applications
- Precision Machined Hard Seat, 440C Stainless Steel Ball
- Set Pressure Range 5-300 PSIG
- Stainless Steel or Music Wire Depending on Set Pressure
- Tested in National Board Approved Quality Assurance Process

Model	Inlet Size	Orifice	Dimensions (inches) Height (A) Hex (B)		Set Pressure Range (PSIG)	Approx. Shipping Wt.	Max. Temp (°F)
100SS	1/8" NPT	0.125	1-1/2"	3/4"	5-100	1 oz.	400°F
	1/4" NPT	0.250	2-1/2"		5-300	3 oz.	
	3/8" NPT					4 oz.	
	1/2" NPT	0.468	3-1/8"	7/8"		5 oz.	

Materials

No.	Part Name	Materials
1	Base	Brass
2	Body	Brass
3	Valve Stem	Brass
4	Adj. Screw	Brass
5	Spring	Stainless Steel/Music Wire
6	Spring Seat	Brass
7	Lock Nut	Brass
8	Ball	Stainless Steel



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Flow Capacity Information

FIG. 100 - 1/8"

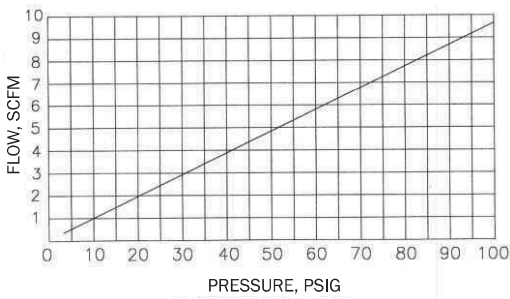


FIG. 100 - 1/4" & 3/8"

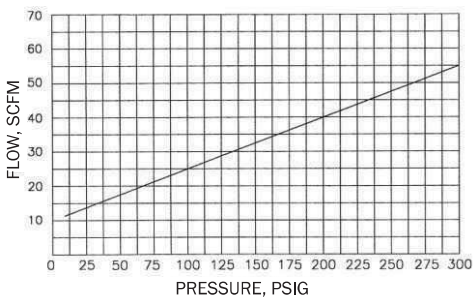
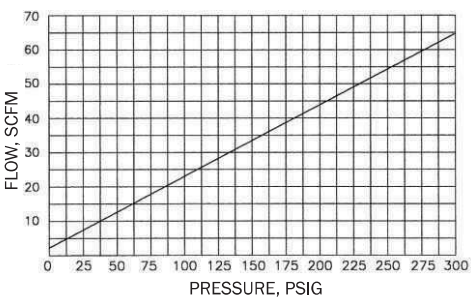
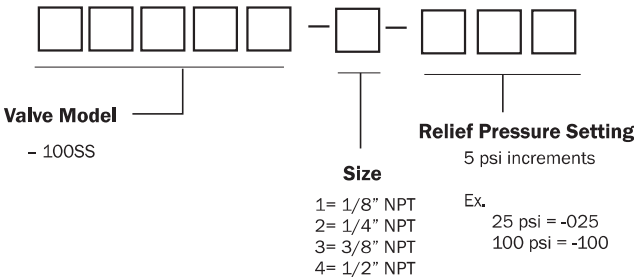


FIG. 100 - 1/2"



Ordering Information

Kingston Safety Relief Valve Part Number Codes



Product Notes

Set pressure can deviate from the marked by ± 2 psig at or below 70 psig set pressures and $\pm 3\%$ psig above 70 psig.

Factory standard seat tightness for hard seat valves: no audible leakage at 10% below nameplate set. It is normal for spring-operated safety valves to exhibit leakage or simmer/warn, as the system operating pressure approaches the set pressure. For hard seat valves this is typically occurs at pressure at or above 80% of nameplate set pressure.

At very low set pressure (20 psig and below), the ratio of the downward spring force as compared to the upward pressure force is very small. In these cases it may be impossible to achieve seat tightness.

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