



KINGSTON

Manufacturing reliable industrial valves for industry since 1908.

103D

Safety Relief Valve

Model 103D

High Pressure Side Relief Outlet Valve



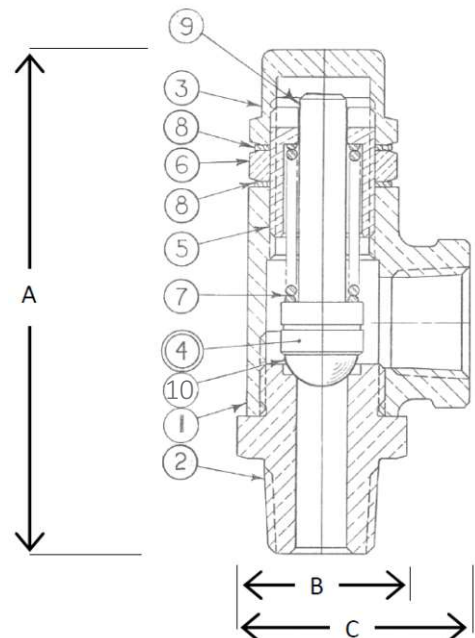
Features

- Precision Machined Stainless Steel Inlet
- Red Brass Body
- Hard seat, Stainless Steel Ball
- Stainless Steel Spring
- NPT Side Outlet for Direct Connection
- Liquid & Non-Code Air Applications
- Maximum Temperature 250° F
- Available Sizes: 1/4" NPT
- Set Pressure Range 5-1000 PSIG

Model	Inlet Size	Orifice	Dimensions (inches)			Set Pressure Range (PSIG)	Approx. Ship Wt.	Max Temp. (°F)
			Height (A)	Hex (B)	Width (C)			
103D	1/4" NPT	.250	3"	3/4"	1 - 3/4"	10-1000	5 oz.	250° F

Materials

No.	Part Name	Materials
1	Body	Red Brass
2	Base	Stainless Steel
3	Cap	Brass
4	Stem Assembly	Stem, Ball
5	Adjusting Screw	Brass
6	Lock Nut	Brass
7	Spring	Stainless Steel
8	Gasket	Copper
9	Stem	Brass
10	Ball	Stainless Steel



Kingston Model 103D Brass Side Relief Outlet Valve

Flow Capacity Information

Fig. 103D - 1/4"

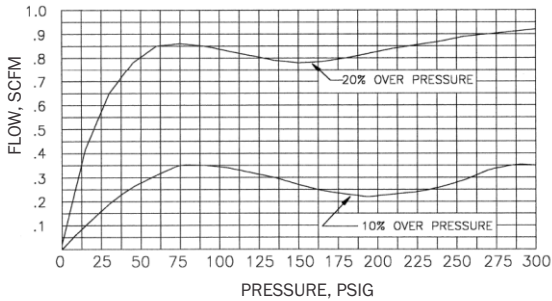
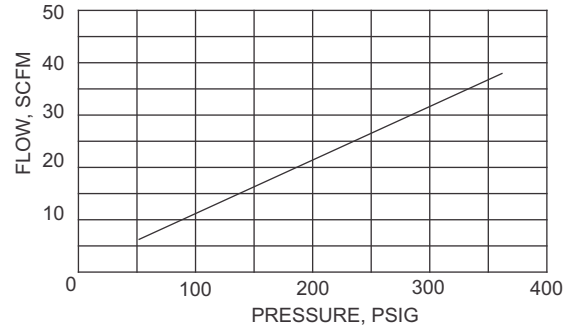
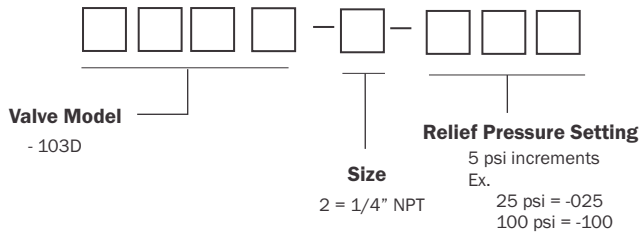


Fig. 103D - 1/4"



Ordering Information

Kingston Safety Relief Valve Part Number Codes



Product Notes

All Kingston Safety Valves are manufactured under a quality control system accepted by the National Board of Boiler and Pressure Vessel inspectors. Code valves are capacity certified by the National Board, manufactured in accordance with ASME Code, set and sealed at the factory.

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 20% 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.

Soft seat valves will typically provide a higher degree of seat tightness than metal, hard seats. Factory standard seat tightness does not ensure bubble-tight seal regardless of material. Storm Manufacturing reserves all rights. Product specifications are subject to change without notice.

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