

Kingston Safety & Relief Valves

# Kingston Model 103H

Side Outlet Relief Valve, Soft Seat



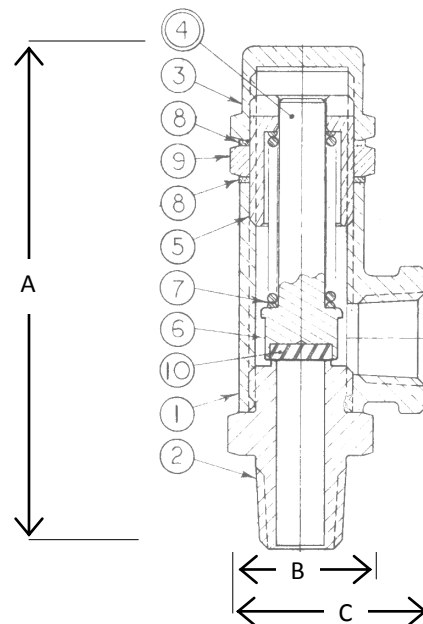
## Features:

- Precision machined C360 brass inlet
- Cast Red Brass body
- Viton disc for soft seat performance
- Stainless steel spring
- NPT Side Outlet for direct connection
- Liquid and non-code air applications
- Maximum temperature 250°F
- Sizes: 1/4 NPT
- Set pressure range 5-500 PSIG
- Every valve factory set and tested

Model	Sizes: inlet/Side	Orifice	Figure/Part No	Dimensions (inches)			Set Pressure Range PSIG	Approximate Ship Weight	Max Temp
				Height (A)	Hex (B)	Width (C)			
<b>103H</b>	1/4 NPT	.250	103H-2-000	3	3/4	1 1/4	5-500	5 oz	250°F

## Materials

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



[www.KingstonValves.com](http://www.KingstonValves.com)

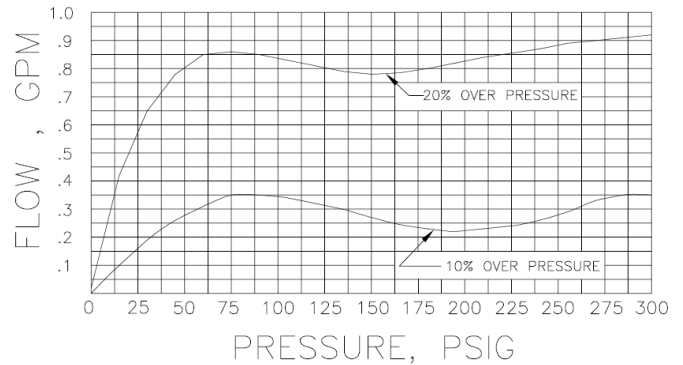
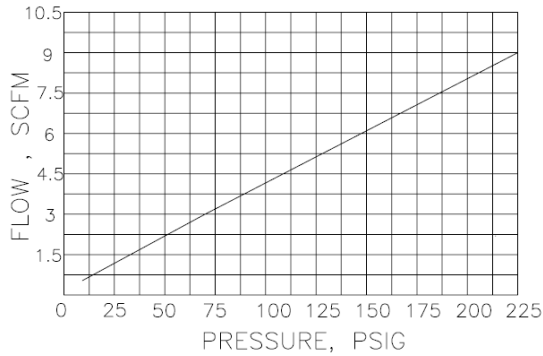
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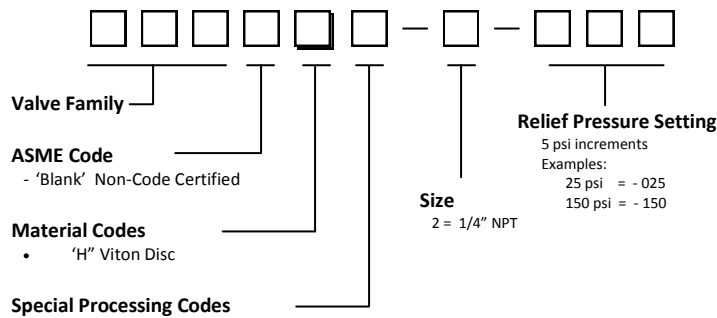
# Kingston Model 103H Side Outlet Relief Valve

## Flow Capacity Information

**Model 103H-2 Flow Capacity**



## Ordering Information



## 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  $\pm 2$  psig at or below 70 psig set pressures and  $\pm 3\%$  psig above 70 psig.

Factory standard seat tightness for soft 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 soft seat valves this typically occurs at pressures at or above 90% of nameplate set pressure.

At very low set pressures (20 psi 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.

Final application design and integration of Kingston Products are the sole responsibility of the end user.

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