



# KINGSTON

Manufacturing reliable industrial valves for industry since 1908.

# 110C

## Safety Relief Valve

## Model 110C

ASME Code High Pressure Safety Valve



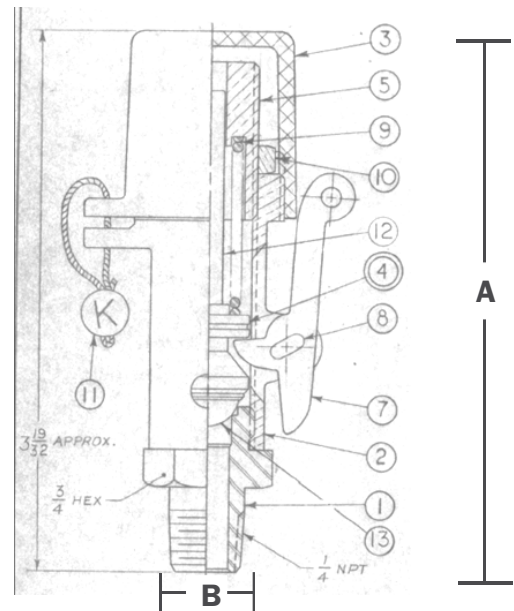
### Features

- ASME Sec. VIII Air/Gas 'UV' Stamp
- Red Brass Body
- High Pressure Valve
- Lever for Manual Testing
- National Board Certified 'NB' Stamp
- Pop-Style Safety Valve
- Precision Machined Hard Seat
- Registered in all Canadian Provinces and Territories
- Tested in National Board Approved Quality Assurance Process

Model	Inlet Size	Orifice	Dimensions (inches)		Set Pressure Range (PSIG)	Approx. Ship Wt.	Figure No.
			Height (A)	Hex (B)			
110C	1/4" NPT	0.296	3-5/8"	3/4"	25-600	8 oz.	110C-2-000
	3/8" NPT		3-3/4"	3/4"			110C-3-000

### Materials

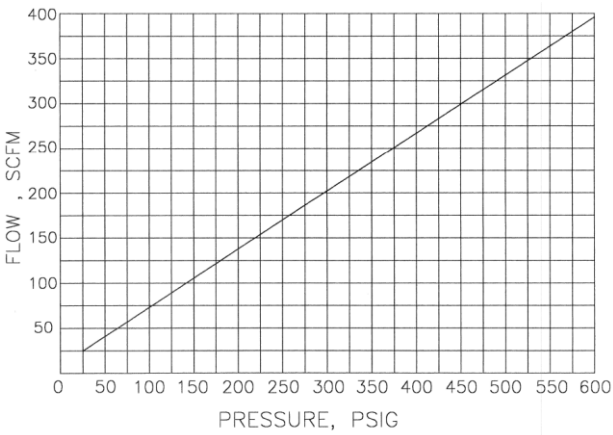
No.	Part Name	Materials
1	Base	Stainless Steel
2	Body	Brass
3	Cap	Brass Plated Zinc
4	Stem Assembly	Brass Stem Stainless Steel Ball
5	Adj. Screw	Brass
7	Lever	Cold Rolled Steel
8	Cotter Pin	Low Carbon Steel
9	Spring	MW/SST
10	Lock Nut	Brass
11	Seal	Aluminium
12	Stem	Brass
13	7/16 Ball	Stainless Steel



# Kingston Model 110C High Pressure Safety Valve

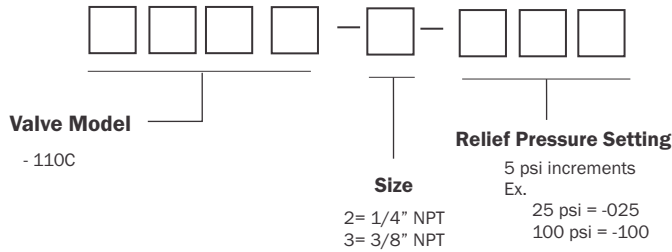
## Flow Capacity Information

Fig. 110C - 1/4" & 3/8"



## 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  $\pm 2$  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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