



**North American  
Safety Valve  
Industries, Inc.**



**35,000** Safety & Relief Valves  
Ready to Ship

When the pressure is on, trust North American Safety Valve Industries

## We're Always on Standby

When you're under pressure, NASVI's ready to help.

### **New & Remanufactured Safety Valves**

Extensive stock of new valves from trusted, top manufacturers and dependable remanufactured valves back by a 2-year warranty.

### **Same or Next-Day Shipping**

Avoid or minimize downtime with NASVI's same or next-day shipping.

### **State-of-the-Art Repair & Setting Centers**

Nearly every safety valve's specifications are at our technicians' fingertips for exact work. Generally, irreparable valves can be replaced from our in-stock inventory.

### **Turnaround Exchange Program**

Receive the valves needed for installation prior to shutting down, then ship us the old valves for repair or exchange.

## Get an Instant Quote

[nasvi.com/quote](http://nasvi.com/quote)

1600 Warren St.  
North Kansas City, MO 64116

Phone: (800) 800-8882

Phone: (816) 421-7042

Fax: (816) 421-0297

[sales@nasvi.com](mailto:sales@nasvi.com)

spec sheet

Kingston Safety & Relief Valves

**Kingston Model 115CR**  
ASME Code Section VIII Safety Valve  
Stainless Steel, Soft Seat



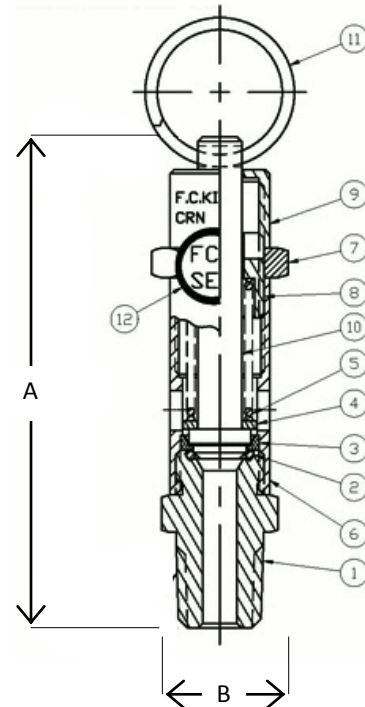
**Features:**

- Viton O-ring Provides Soft Seat Performance
- Precision Machined Hard, Positive Stop
- Stainless Steel Construction
- Pull Ring for Manual Testing
- Two Sizes: 1/4", 1/2" NPT
- ASME/NB Certified - Stamped UV + NB
- Temperature Range: -20°F to 400°F
- Sect. VIII Air Set Pressure Range 25-300 PSIG
- Registered in All Canadian Provinces & Territories
- Every Safety Valve Factory Set and Tested

Model	Available Sizes	Orifice	Figure/Part No	Dimensions (inches)		Set Pressure Range PSIG	Approximate Ship Weight	Max Temp
				Height (A)	Hex (B)			
115CR	1/4 NPT	.219	115CR-2-000	3 1/8	5/8	25-300	3 oz	400°F
	1/2 NPT	.312	115CR-4-000	4 1/2	7/8	25-275	9 oz.	

**Materials**

No.	Part Name	Materials
1	Base	SST 303 (ASTM—A582)
2	'O' Ring	Viton
3	Seat Washer	SST 303 (ASTM—A582)
4	Stem Washer	SST 303 (ASTM—A582)
5	Spring	SST 302 (ASTM—A313-10)
6	Body	SST 303 (ASTM—A582)
7	Lock Nut	SST 303 (ASTM—A582)
8	Adj. Screw	SST 303 (ASTM—A582)
9	Cap	SST 303 (ASTM—A582)
10	Stem	SST 303 (ASTM—A582)
11	Pull Ring	SST 302
12	Seal	Vinyl



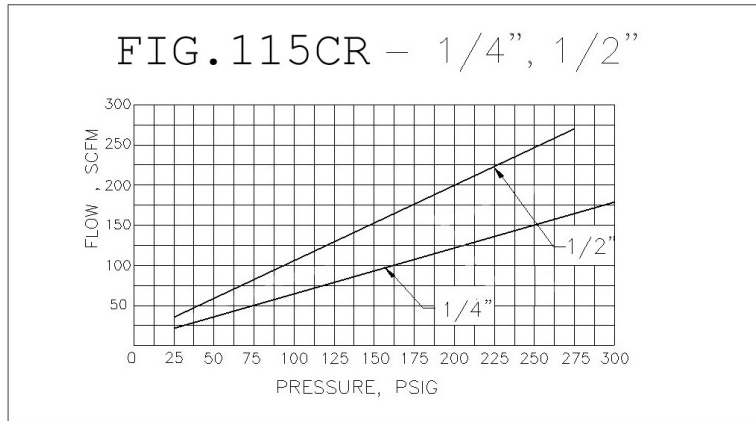
www.KingstonValves.com

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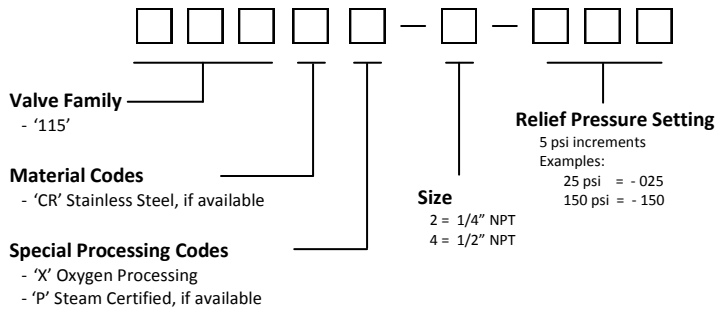
# Kingston Model 115CR Safety Relief Valve

## Flow Capacity Information



SET PRESSURE	STAMPED CFM		SET PRESSURE	STAMPED CFM	
	1/4"	1/2"		1/4"	1/2"
25	22	36	165	102	167
30	25	41	170	105	171
35	28	45	175	108	176
40	31	50	180	111	181
45	33	55	185	113	185
50	36	59	190	116	190
55	39	64	195	119	195
60	42	69	200	122	199
65	45	73	205	125	204
70	48	78	210	128	209
75	51	83	215	131	214
80	53	87	220	133	218
85	56	92	225	136	223
90	59	97	230	139	228
95	62	101	235	142	232
100	65	106	240	145	237
105	68	111	245	148	242
110	71	115	250	151	246
115	73	120	255	154	251
120	76	125	260	156	256
125	79	129	265	159	260
130	82	134	270	162	265
135	85	139	275	165	270
140	88	143	280	168	
145	91	148	285	171	
150	93	153	290	174	
155	96	157	295	176	
160	99	162	300	179	

## 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.

Storm Manufacturing reserves all rights. Product specifications and designs are subject to change without notice.



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