



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

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North Kansas City, MO 64116

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spec sheet



KINGSTON

Manufacturing reliable industrial valves for industry since 1908.

112CR

Safety Relief Valve

Model 112CR

ASME Code Safety Valve- Stainless Steel



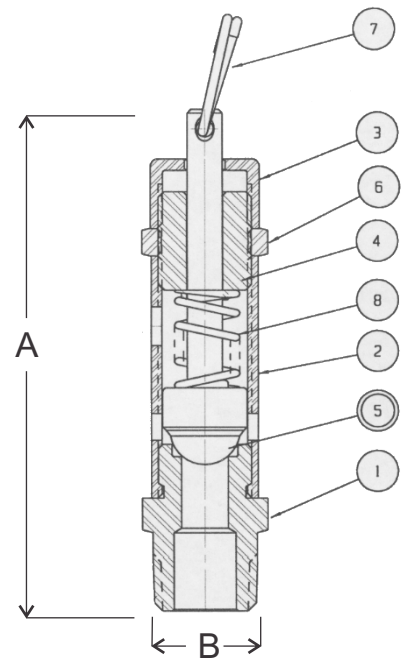
Features

- Precision Machining from 303 Stainless Steel
- RoHS Compliant- Lead-free
- Hard Seat, Stainless Steel Ball
- Stainless Steel Spring
- Maximum Temperature 400 °F
- Available Sizes- 1/4 NPT, 3/8 NPT, & 1/2 NPT
- ASME Certified- Stamped UV & NB
- Registered in All Canadian Provinces & Territories
- Pull Ring for Manual Testing
- Set Pressure Range 25-300 PSIG

Model	Inlet Size	Orifice	Dimensions (inches)		Set Pressure Range (PSIG)	Approx. Ship Wt.	Max Temp. (°F)
			Height (A)	Hex (B)			
112CR	1/4" NPT	.250	3-13/32"	3/4"	25-300	4 oz.	400 °F
	3/8" NPT	.250	3-13/32"	3/4"		4 oz.	
	1/2" NPT	0.375	3-3/4"	7/8"		7 oz.	

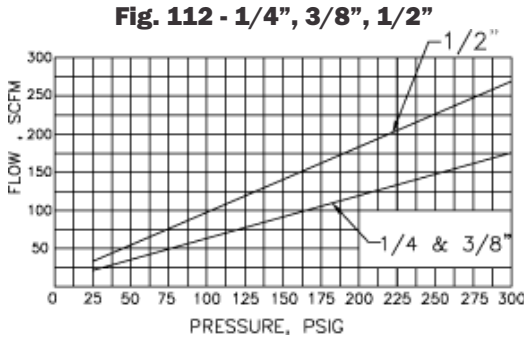
Materials

No.	Part Name	Materials
1	Base	Stainless Steel
2	Body	Stainless Steel
3	Cap	Stainless Steel
4	Adjusting Screw	Stainless Steel
5	Stem Assembly	Stainless Steel
6	Lock Nut	Stainless Steel
7	Pull Ring	Stainless Steel
8	Spring	Stainless Steel



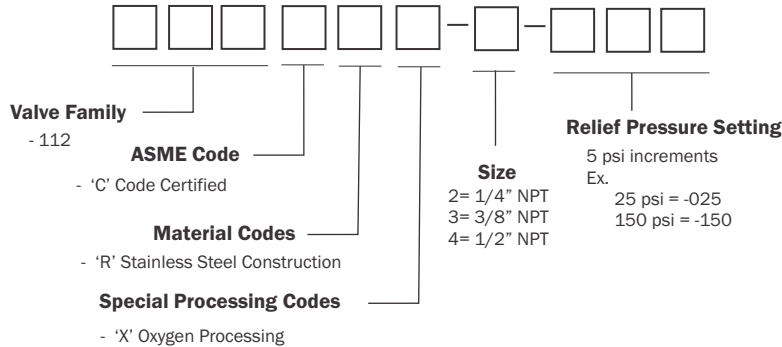
Kingston Model 112CR ASME Code Safety Valve- Stainless Steel

Flow Capacity Information



Ordering Information

Kingston Side Outlet Relief Valve Part Number Codes



SET PRESSURE	STAMPED CAPACITY		SET PRESSURE	STAMPED CAPACITY	
	CFM	CFM		CFM	CFM
psi	1/4, 3/8	1/2	psi	1/4, 3/8	1/2
25	21.5	33	165	100	153
30	24	37	170	103	157
35	27	41	175	106	162
40	30	46	180	108	166
45	33	50	185	111	170
50	36	54	190	114	174
55	38	59	195	117	179
60	41	63	200	120	183
65	44	67	205	123	187
70	47	72	210	125	192
75	50	76	215	128	196
80	52	80	220	131	200
85	55	84	225	134	205
90	58	89	230	137	209
95	61	93	235	139	213
100	64	97	240	142	217
105	66	102	245	145	222
110	69	106	250	148	226
115	72	110	255	151	230
120	75	114	260	153	235
125	78	119	265	156	239
130	80	123	270	159	243
135	83	127	275	162	247
140	86	132	280	165	252
145	89	136	285	167	256
150	92	140	290	170	260
155	94	144	295	173	265
160	97	148	300	176	269

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.

The information contained herein by Storm Manufacturing Group (SMG) is provided in good faith and as a product guide only. Further, SMG makes no representation as to the completeness or accuracy of the information contained herein. Any person or persons using the information contained herein must exercise their own judgement and consider all local, regional, national and global safety standards in evaluating valve selection options. Final application design and integration of Kingston Products are the sole responsibility of the end user.



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