











# KINGSTON

Manufacturing reliable industrial valves for industry since 1908.





## Safety Valves

**Common Applications:** Pressure Relief Valves are used to protect systems from over pressurization. Kingston Valves offers safety valves for Air, Gas, Steam and Liquid (for non-code) media. Our safety valves are used on compressed air systems, compressors, air dryers, air tanks, steam sterilizers, and other related applications.

### ASME Code Valves

Model	Description	Model	Description
 <b>710D</b> NEW! Sizes: 1/2", 3/4", 1", Pressure Range: 15-400 PSI	<ul style="list-style-type: none"> <li>Side Outlet Safety Relief Valve</li> <li>ASME Div. I, Section VIII-Air/Gas &amp; Steam "UV"</li> <li>National Board Certified</li> </ul>	 <b>114</b> Sizes: 1/4", 1/2", 3/4", 1" Pressure Range: 25-300 PSI	<ul style="list-style-type: none"> <li>ASME Code Section VIII Safety Valve</li> <li>Brass, Soft Seat</li> </ul>
 <b>KSV10/12/25</b> Sizes: 1/8", 1/4" Pressure Range: 25-375 PSI	<ul style="list-style-type: none"> <li>Low Profile ASME Code Section VIII "UV" Safety Valve</li> </ul>	 <b>110C</b> Sizes: 1/4", 3/8" Pressure Range: 25-600 PSI	<ul style="list-style-type: none"> <li>ASME Code High Pressure Safety Valve</li> </ul>
 <b>119CSS</b> Sizes: 1/4", 1/2", 3/4", 1" Pressure Range: 25-300 PSI	<ul style="list-style-type: none"> <li>ASME Code High Flow Safety Valve</li> <li>Brass, Stainless Steel Ball</li> </ul>	 <b>112CSS/CSEEN/CR</b> Sizes: 1/4", 3/8", 1/2" Pressure Range: 25-300 PSI	<ul style="list-style-type: none"> <li>ASME Code Safety Valve</li> <li>Stainless Steel Ball</li> <li>Brass, SST, &amp; Nickel-plated Options Available</li> </ul>
 <b>118CSS</b> Sizes: 1/4" to 1" Pressure Range: 25-300 PSI	<ul style="list-style-type: none"> <li>ASME Code High Flow Safety Valve</li> <li>Brass, Stainless Steel Ball</li> </ul>	 <b>115/115CR</b> Sizes: 1/4", 3/8", 1/2" Pressure Range: 25-300 PSI	<ul style="list-style-type: none"> <li>ASME Code Section VIII Safety Valve</li> <li>Soft Seat</li> <li>Brass, SST Options Available</li> </ul>

### Non Code Valves

Model	Description	Model	Description
 <b>128A/130</b> Sizes: 1/8", 1/4" Pressure: Max 300 PSI	<ul style="list-style-type: none"> <li>Low Profile Safety Valve</li> </ul>	 <b>100SS</b> Sizes: 1/8", 1/4", 3/8", 1/2" Pressure: Max 300 PSI	<ul style="list-style-type: none"> <li>Small Air Systems Valve</li> </ul>
 <b>111X</b> Sizes: 1/4" Pressure: Max 400 PSI	<ul style="list-style-type: none"> <li>Cryogenic Safety Valve</li> </ul>	 <b>103/SS/H/D/120</b> Sizes: 1/4" to 3/4" Pressure: 5-1000 PSI	<ul style="list-style-type: none"> <li>Side Relief Outlet Valve</li> <li>Soft Seat</li> </ul>



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# PSI vs Flow Chart for Kingston's ASME Safety Valve

Valve Size	KSV10 1/8" & 1/4"	KSV12 1/8" KSV25 1/4"	110C 1/4" & 3/8"	112C 1/4" & 3/8"	112C 1/2"	114 & 115 1/4"	114 & 115 3/8"	114 & 115 1/2"	114 3/4"	114 1"	118C & 119C 1/4"	118C & 119C 3/8" & 1/2"	118C & 119C 3/4" & 1"	710D 1/2" & 3/4" & 1"	PSI	110C 1/4" & 3/8" (cont.)	KSV12 1/8" KSV25 1/4" (cont.)	710D 1/2" 3/4" & 1" (cont.)
Max PSI	275	375	600	300	300	300	275	275	250	250	300	300	300	400	PSI	600	375	400
Pressure (PSI)	Flow (SCFM)														PSI	FLOW (SCFM)		
25		29	25	21.5	33	22	29	36	68	100	45	65	155	93	305	207	241	770
30		33	28	24	37	25	33	41	76	113	51	73	175	104	310	210	245	782
35		36	31	27	41	28	37	45	85	126	57	82	195	117	315	213	249	794
40		40	35	30	46	31	41	50	94	139	63	90	215	129	320	216	253	806
45		44	38	33	50	33	44	55	103	152	69	99	236	141	325	220	257	818
50	18	48	41	36	54	36	48	59	112	165	75	107	256	153	330	223	260	830
55	20	52	44	38	59	39	52	64	120	178	80	116	276	165	335	226	264	843
60	21	55	48	41	63	42	56	69	129	191	86	124	296	177	340	229	268	855
65	23	59	51	44	67	45	59	73	138	204	92	133	316	189	345	233	272	867
70	24	63	54	47	72	48	63	78	147	217	98	141	337	201	350	236	276	879
75	25	67	57	50	76	51	67	83	156	230	104	150	357	213	355	239	279	891
80	27	71	61	52	80	53	71	87	164	243	110	158	377	225	360	242	283	903
85	28	74	64	55	84	56	75	92	173	256	116	167	397	238	365	246	287	915
90	30	78	67	58	89	59	78	97	182	269	122	175	417	250	370	249	291	927
95	31	82	70	61	93	62	82	101	191	283	128	184	437	262	375	252	294	939
100	33	86	74	64	97	65	86	106	200	296	133	192	458	274	380	255		951
105	34	90	77	66	102	68	90	111	208	309	139	201	478	286	385	259		964
110	35	93	80	69	106	71	94	115	217	322	145	209	498	298	390	262		976
115	37	97	83	72	110	73	97	120	226	335	151	217	518	310	395	265		988
120	38	101	87	75	114	76	101	125	235	348	157	226	538	322	400	268		1000
125	40	105	90	78	119	79	105	129	244	361	163	234	559	334	405	272		
130	41	109	93	80	123	82	109	134	252	374	169	243	579	346	410	275		
135	43	112	96	83	127	85	113	139	261	387	175	251	599	359	415	278		
140	44	116	100	86	132	88	116	143	270	400	181	260	619	371	420	281		
145	45	120	103	89	136	91	120	148	279	413	186	268	639	383	425	284		
150	47	124	106	92	140	93	124	153	288	426	192	277	659	395	430	288		
155	48	128	109	94	144	96	128	157	296	439	198	285	680	407	435	291		
160	50	131	113	97	148	99	132	162	305	452	204	294	700	419	440	294		
165	51	135	116	100	153	102	135	167	314	465	210	302	720	431	445	297		
170	53	139	119	103	157	105	139	171	323	478	216	311	740	443	450	301		
175	54	143	122	106	162	108	143	176	332	491	222	319	760	455	455	304		
180	55	146	125	108	166	111	147	181	340	504	228	328	781	467	460	307		
185	57	150	129	111	170	113	151	185	349	517	233	336	801	480	465	310		
190	58	154	132	114	174	116	154	190	358	530	239	344	821	492	470	314		
195	60	158	135	117	179	119	158	195	367	543	245	353	841	504	475	317		
200	61	162	138	120	183	122	162	199	376	556	251	361	861	516	480	320		
205	63	165	142	123	187	125	166	204	384	569	257	370	882	528	485	323		
210	64	169	145	125	192	128	170	209	393	582	263	378	902	540	490	327		
215	65	173	148	128	196	131	173	214	402	595	269	387	922	552	495	330		
220	67	177	151	131	200	133	177	218	411	608	275	395	942	564	500	333		
225	68	181	155	134	205	136	181	223	420	621	281	404	962	576	505	336		
230	70	184	158	137	209	139	185	228	428	634	286	412	982	588	510	340		
235	71	188	161	139	213	142	189	232	437	647	292	421	1003	601	515	343		
240	73	192	164	142	217	145	192	237	446	661	298	429	1023	613	520	346		
245	74	196	168	145	222	148	196	242	455	674	304	438	1043	625	525	349		
250	75	200	171	148	226	151	200	246	464	687	310	446	1063	637	530	353		
255	77	203	174	151	230	154	204	251	473	700	316	455	1083	649	535	356		
260	78	207	177	153	235	156	207	256	482	713	322	463	1104	661	540	359		
265	80	211	181	156	239	159	211	260	491	726	328	472	1124	673	545	362		
270	81	215	184	159	243	162	215	265	500	739	334	480	1144	685	550	366		
275	83	219	187	162	247	165	219	270	509	752	339	488	1164	697	555	369		
280		222	190	165	252	168					345	497	1184	709	560	372		
285		226	194	167	256	171					351	505	1204	722	565	375		
290		230	197	170	260	174					357	514	1225	734	570	379		
295		234	200	173	265	176					363	522	1245	746	575	382		
300		238	203	176	269	179					369	531	1265	758	580	385		
															585	388		
															590	392		
															595	395		
															600	398		

NOT AVAILABLE IN THESE SET PRESSURES



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