

Model KHV25

ASME Code Safety Valve- Brass, Stainless Steel Ball



FEATURES

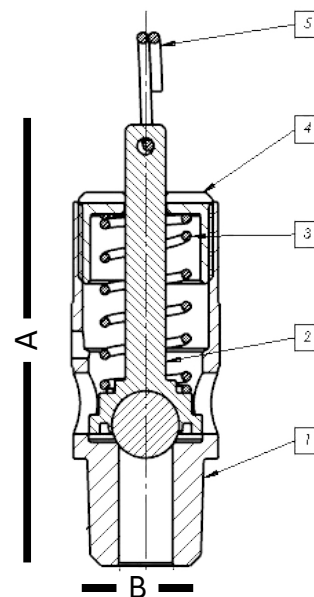
- C36000 Machined Brass Components
- Precision Machined Hard Seat
- Stainless Steel Ball & Spring
- Pull Ring for Manual Testing
- Direct Replacement for Conrader SRH250 and Control Devices SA Series
- Available Sizes: 1/8" NPT, 1/4" NPT, & 3/8" NPT
- ASME Certified- Stamped UV + NB
- Canadian Registration (CRN) Pending
- Operating Temperature Range: -20°F to 400°F (-29°C to 204°C)
- Set Pressure Range 25-315 PSI (1.72 - 21.71 bar)

MODEL INFORMATION

Model	Inlet Size	Orifice	Dimensions Height (A) Hex (B)		Set Pressure Range PSI (bar)	Max Temp.
KHV25	1/8" NPT	0.25" (6.35 mm)	1.95" (49.53 mm)	11/16" (17.46 mm)	25 - 315 (1.72 - 21.71)	400 °F (204°C)
	1/4" NPT		2.06" (52.32 mm)	11/16" (17.46 mm)		
	3/8" NPT		2.06" (52.32 mm)	11/16" (17.46 mm)		

MATERIALS

NO.	PART NAME	MATERIALS
1	Body	Brass
2	Stem Assembly	Brass Stem, Stainless Steel Ball
3	Spring	Stainless Steel
4	Adjusting Screw	Brass
5	Pull Ring	Stainless Steel

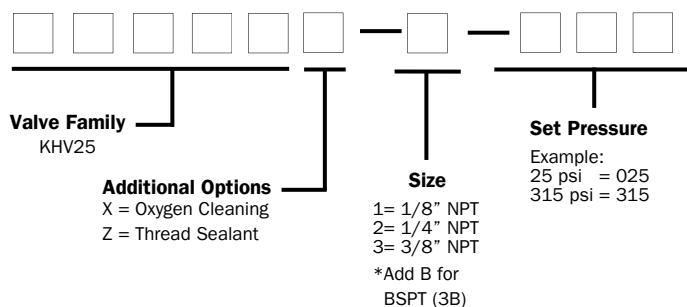


Flow Capacity Information

KHV25 (1/8, 1/4 & 3/8 NPT) FLOW CAPACITY CHART					
SET PRESSURE (PSI)	STAMPED CAPACITY (SCFM)	SET PRESSURE (PSI)	STAMPED CAPACITY (SCFM)	SET PRESSURE (BAR)	STAMPED CAPACITY (KG/HR)
25	30	175	149	1.72	63
30	34	180	153	2	69
35	38	185	157	3	93
40	42	190	161	4	117
45	46	195	165	5	141
50	50	200	168	6	165
55	54	205	172	7	189
60	58	210	176	8	213
65	62	215	180	9	237
70	66	220	184	10	260
75	69	225	188	11	284
80	73	230	192	12	308
85	77	235	196	13	332
90	81	240	200	14	356
95	85	245	204	15	380
100	89	250	208	16	404
105	93	255	212	17	428
110	97	260	216	18	452
115	101	265	220	19	475
120	105	270	224	20	499
125	109	275	228	21	523
130	113	280	232	21.71	540
135	117	285	236		
140	121	290	240		
145	125	295	244		
150	129	300	248		
155	133	305	252		
160	137	310	256		
165	141	315	260		
170	145				

Ordering Information

Kingston Safety Relief Valve Part Number Codes



Product Notes

Set pressure can deviate from the marked by ± 2 psi (0.14 bar) at or below 70 psi (4.8 bar) set pressures and $\pm 3\%$ psi above 70 psi (4.8 bar).

Factory standard seat tightness for hard 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 hard seat valves this is typically occurs at pressure at or above 80% of nameplate set pressure.

At very low set pressure (20 psi (1.37 bar) 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.

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