

KNGM45

Compact ASME Code Safety Valve

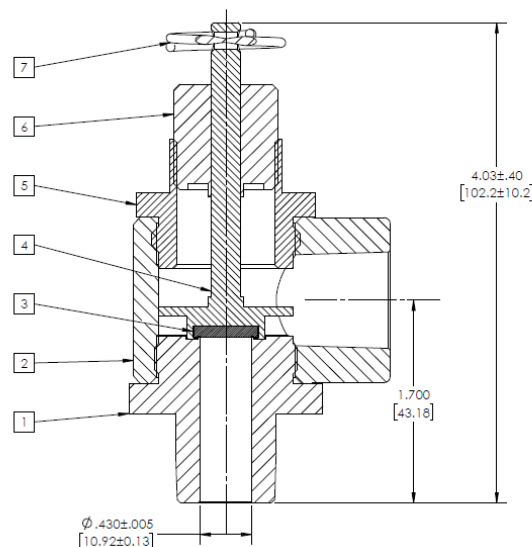


FEATURES

- Available in 1/2" and 3/4"
- Compact ASME Section XIII steam and air safety valve
- National Board Certified Capacity
- Pressure Range: 15 to 75 psi (for gas and steam)
- Directive 97/23/EC (PED) Compliance Available
- Directive 2002/95/CE (RoHS) Complaint
- Design certified to protect portable steam vessel applications such as autoclaves, sterilizers and pressure cookers against pressure build-up
- CRN, ASME/NB, and CE Certification Pending

MATERIALS

NO.	PART NAME	MATERIALS
1	Base	Brass
2	Body	Brass
3	Disc	Silicone (Standard)
4	Stem	Brass
5	Adjusting Screw Bushing	Brass
6	Adj. Screw	Brass
7	Pull Ring	Stainless Steel



Ordering Information

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Valve Family KNGM45							Disc (Blank) = Silicone F = FKM E = EPDM		Special Process P = Steam Rated X = Oxygen Cleaning Z = Thread Sealant		Inlet Size 4 = 1/2" 5 = 3/4"		Outlet Size 4 = 1/2" 5 = 3/4"		Set Pressure Ex. 125psi = 125	

Flow Capacity Information

AIR / GAS

SET PRESSURE (PSI)	STAMPED CAPACITY (SCFM)		SET PRESSURE (PSI)	STAMPED CAPACITY (SCFM)
15	68		46	137
16	71		47	140
17	73		48	142
18	75		49	144
19	77		50	147
20	79		51	149
21	81		52	151
22	83		53	154
23	85		54	156
24	87		55	158
25	90		56	160
26	92		57	163
27	94		58	165
28	96		59	167
29	98		60	170
30	100		61	172
31	102		62	174
32	105		63	177
33	107		64	179
34	109		65	181
35	112		66	184
36	114		67	186
37	116		68	188
38	119		69	191
39	121		70	193
40	123		71	195
41	126		72	198
42	128		73	200
43	130		74	202
44	133		75	205
45	135			

STEAM

SET PRESSURE (PSI)	STAMPED CAPACITY (LB/HR)		SET PRESSURE (PSI)	STAMPED CAPACITY (LB/HR)
15	193		46	387
16	199		47	393
17	205		48	400
18	211		49	406
19	217		50	413
20	223		51	419
21	229		52	426
22	235		53	432
23	241		54	439
24	247		55	445
25	253		56	452
26	259		57	458
27	265		58	465
28	271		59	472
29	276		60	478
30	282		61	485
31	289		62	491
32	295		63	498
33	302		64	504
34	308		65	511
35	315		66	517
36	321		67	524
37	328		68	530
38	335		69	537
39	341		70	543
40	348		71	550
41	354		72	556
42	361		73	563
43	367		74	569
44	374		75	576
45	380			

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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