

KNGM45

Compact ASME Code Safety Valve

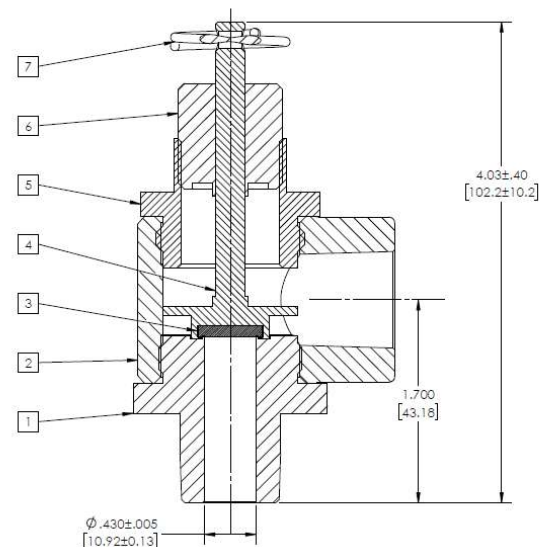


FEATURES

- 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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