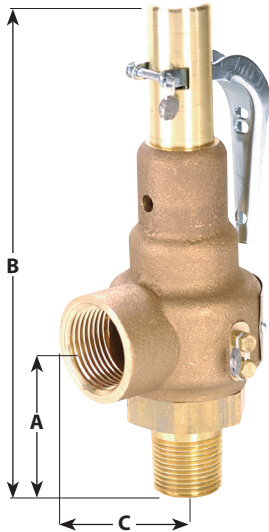




SAFETY VALVES

ASME sections I & VIII

19 SERIES



BRONZE SAFETY VALVES FOR STEAM, AIR & GAS SERVICE

National Board capacity certified, high capacity, ideal for use with steam boilers, sterilizers, pressure vessels, compressors, and pressure piping systems.

FEATURES

- Pressures: 15 through 300 psig steam, air, gas
- Max. temp. 406°F with stainless steel trim
- 13 Sizes, 1/2" through 2-1/2" NPT
- Stainless steel springs
- Optional 316 stainless steel wetted trim (Specify 19L or 19S Series)
- Available in metal and soft seat designs
- Metal to metal seat lapped to optical flatness (19M)
- PFA Teflon® soft seat easily replaced (19K)
- Double ring, full bore, high capacity design
- Tapped body drain facilitates piping of condensate away from equipment
- Registered in all Canadian Provinces and Territories, CRN #0G8547.5C
- Wide wrenching hex for easier, faster installations
- Dual ASME/CE European Pressure Equipment Directive Compliant option
- **Made in USA**

Series Number	Orifice Designation	Inlet Size (in.)	Dimensions (in.)			Wt./100 (lbs.)
			A	B	C	
19KDC	D	1/2 x 3/4	2.21	6.52	1.37	1.6
19KDD	D	3/4 x 3/4	2.21	6.52	1.37	1.6
19KED	E	3/4 x 1	2.50	7.16	1.75	2.0
19KEE	E	1 x 1	2.64	7.30	1.75	2.2
19KFE	F	1 x 1-1/4	2.95	9.34	2.00	4.1
19KFF	F	1-1/4 x 1-1/4	2.95	9.34	2.00	4.3
19KGF	G	1-1/4 x 1-1/2	3.38	11.01	2.37	7.4
19KGG	G	1-1/2 x 1-1/2	3.38	11.01	2.37	7.6
19KHG	H	1-1/2 x 2	3.63	11.96	2.75	11.5
19KHH	H	2 x 2	3.63	11.96	2.75	11.6
19KJG	J	1-1/2 F X 2-1/2	3.80	14.00	3.50	20.0
19KJH	J	2 x 2-1/2	4.06	14.25	3.50	19.9
19KJJ	J	2-1/2 x 2-1/2	4.50	14.68	3.50	20.8

CERTIFIED CAPACITIES

Set Pressure psig	Orifice					
	D	E	F	G	H	J
15	174	310	484	794	1,240	2,035
25	229	408	637	1,045	1,631	2,677
40	311	555	866	1,421	2,217	3,641
50	366	653	1,019	1,672	2,608	4,283
100	646	1,152	1,798	2,950	4,602	7,557
125	787	1,404	2,191	3,595	5,609	9,210
150	929	1,656	2,585	4,240	6,616	10,864
165	1,014	1,807	2,821	4,628	7,220	11,856
200	1,211	2,160	3,371	5,531	8,630	14,170
250	1,494	2,664	4,158	6,822	10,644	17,477
300*	1,777	3,168	4,945	8,112	12,658	20,784
Approx 1 psi increments	5.7	10.1	15.7	25.8	40.3	66.1

ASME Section I Steam

Power Boiler - "V" steam lbs./hr. steam @ 3% accumulation

*Specify Model 19S with stainless steel wetted trim for steam settings beyond 250 psig.

SAFETY VALVES

ASME sections I & VIII



19 SERIES (CONT.)

BRONZE SAFETY VALVES FOR STEAM, AIR & GAS SERVICE

CERTIFIED CAPACITIES

Set Pressure psig	Orifice					
	D	E	F	G	H	J
15	179	320	499	819	1,278	2,099
25	234	417	652	1,070	1,669	2,741
40	322	574	896	1,471	2,295	3,768
50	382	682	1,064	1,746	2,725	4,474
100	684	1,220	1,904	3,124	4,875	8,005
125	835	1,489	2,324	3,813	5,950	9,770
150	985	1,758	2,744	4,502	7,025	11,535
165	1,076	1,920	2,996	4,916	7,670	12,594
200	1,287	2,296	3,584	5,881	9,175	15,066
250	1,590	2,834	4,424	7,259	11,325	18,596
300*	1,892	3,373	5,265	8,639	13,479	22,132
Approx 1 psi increments	6.0	10.8	16.8	27.6	43.0	70.6

ASME Section VIII Steam

Unfired Pressure Vessels - "UV" steam lbs./hr.
@ 10% accumulation

*Specify Model 19S with stainless steel wetted trim
for steam settings beyond 250 psig.

CERTIFIED CAPACITIES

Set Pressure psig	Orifice					
	D	E	F	G	H	J
15	64	114	178	292	455	747
25	83	149	232	381	594	976
40	115	204	319	524	817	1,342
50	136	243	379	622	970	1,593
100	244	434	678	1,112	1,736	2,849
125	297	530	828	1,358	2,118	3,478
150	351	626	977	1,603	2,501	4,106
165	383	683	1,067	1,750	2,731	4,484
200	459	818	1,276	2,094	3,267	5,364
250	566	1,009	1,575	2,584	4,032	6,621
300	673	1,201	1,874	3,075	4,798	7,878
Approx 1 psi increments	2.2	3.8	6.0	9.8	15.3	25.1

ASME Section VIII Air

Unfired Pressure Vessels - "UV" air SCFM @
10% accumulation

19 SERIES NUMBERING SYSTEM

19M	D	C	K	165	A
BASE MODEL NUMBER	ORIFICE LETTER	INLET SIZE (IN.) NPT	ASME CODE AND SERVICE	SET PRESSURE IN PSI	SPECIAL OPTIONS
19K = Brass Trim/Teflon Seat	D	C = 1/2	A = Sect. I Steam		A = Anti-vibration trim
19M = Brass Trim/Metal Seat	E	D = 3/4	K = Sect. VIII Air		CE = CE/PED Compliant
19L = Stainless Trim/Teflon Seat	F	E = 1	L = Sect. VIII Steam		Q = Performance (Calibration) test report
19S = Stainless Trim/Metal Seat	G	F = 1-1/4	N = Non-Code Air		X = Oxygen cleaning
	H	G = 1-1/2	P = Non-Code Steam		* Other suffixes - factory issued
	J	H = 2			
		J = 2-1/2			