



19-Series Bronze Safety Valves for Steam, Air & Gas Service



Overview

National Board capacity certified, high capacity, ideal for use with all types of boilers, pressure vessels, compressors and pressure piping systems.

ASME Section I and VIII

Sizes 1/2" through 2-1/2"

Maximum temperature is 406°F, 422°F for model 19S

Pressures: 15 through 300 psig steam, air, gas

Applications

Overpressure protection of steam boilers, sterilizers, distillers, cookers, and pressure reducing stations. Pneumatic conveying equipment, air compressors, receivers and dryers. Steam, air and gas accumulators, pressure vessels and pressure piping systems.

Features

- **New! Wider wrenching hex for easier, faster installations**
- **New! European Pressure Equipment Directive Compliant (optional)**
- Max. temp. 406°F, 422°F with stainless steel trim
- 12 sizes, 1/2" thru 2-1/2" NPT
- Stainless steel spring
- 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
- Less costly repairing, soft seat easily replaced
- Double ring, full bore, high-capacity design
- Registered in all Canadian provinces and territories CRN #0G8547.5C

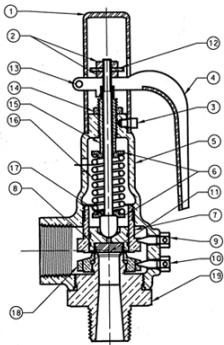
Options

- Choice of Teflon® or metal to metal seating
- Steam set pressures to 300 psi @ 422°F (Model 19S, stainless steel trim)
- 316 stainless steel wetted trim available for all sizes
- Anti-vibration dampened lifting lever

Ordering Number System for 19-Series

19K	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 19M Brass Trim/Metal Seat 19L Stainless Trim/Teflon Seat 19S Stainless Trim/Metal Seat	D E F G H J	C-1/2 D-3/4 E-1 F-1-1/4 G-1-1/2 H-2 J-2-1/2	A-Sect. I Steam K- Sect. VIII Air L-Sect. VIII Steam N-Non-Code Air P-Non-Code Steam		A -Anti-vibration trim CE-PED Compliant X - Oxygen cleaning Other suffixes - factory issued

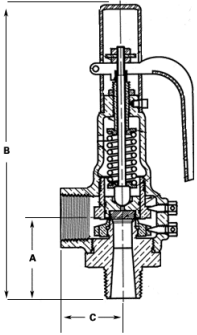
Materials



item	Component	19K, 19M	19L, 19S
-	Nameplate	SS	SS
1	Cap	Brass	Brass
2	Stem Nut (2)	Steel - Plated	Steel - Plated
3	Cap Lock Screw	Brass	Brass
4	Lift Lever	Steel - Plated	Steel - Plated
5	Body	Bronze	Bronze
6	Spring Washer (2)	Brass	Brass
7	Guide Ring	Brass	Brass
8	Disc	Brass	Ss
9	Guide Ring Screw	Brass	Brass
10	Nozzle Ring Screw	Brass	Brass
11	SEAT Insert-19K & 19L	PFA TEFLON®	PFA TEFLON®
12	Lift Washer	Steel - Plated	Steel - Plated
13	Lever Pin	Steel - Plated	Steel - Plated
14	Adjusting Screw Lock Nut	Steel - Plated	Steel - Plated
15	Adjusting Screw	Brass	Brass
16	Spring	SS	SS
17	Stem	Steel / Brass	Steel / Brass

18	Nozzle Ring	Brass	Brass
19	Nozzle	Brass	SS

Dimensions



Old Part Number	New Model Number	Size Inlet x Outlet in./mm	Orifice Letter in./mm	A in./mm	B in./mm	C in./mm	Wt Each lbs/kg
19-202	19*DC	1/2 X 3/4 15 x 20	D	2.210 56.134	6.520 165.608	1.370 34.798	1.600 0.726
19-301	19*DD	3/4 X 3/4 20 x 20	D	2.210 56.134	6.520 165.608	1.370 34.798	1.600 0.726
19-302	19*ED	3/4 X 1 20 x 25	E	2.500 63.500	7.160 181.864	1.750 44.450	2.000 0.907
19-401	19*EE	1 X 1 25 x 25	E	2.640 67.056	7.300 185.420	1.750 44.450	2.200 0.998
19-402	19*FE	1 X 1-1/4 25 x 32	F	2.950 74.930	9.340 237.236	2.000 50.800	4.100 1.860
19-501	19*FF	1-1/4 X 1-1/4 32 x 32	F	2.950 74.930	9.340 237.236	2.000 50.800	4.300 1.950
19-502	19*GF	1-1/4 X 1-1/2 32 x 40	G	3.380 85.852	11.010 279.654	2.370 60.198	7.400 3.357
19-601	19*GG	1-1/2 X 1-1/2 40 x 40	G	3.380 85.852	11.010 279.654	2.370 60.198	7.600 3.447
19-602	19*HG	1-1/2 X 2 40 x 50	H	3.630 92.202	11.960 303.784	2.750 69.850	11.500 5.216
19-701	19*HH	2 X 2 50 x 50	H	3.630 92.202	11.960 303.784	2.750 69.850	11.600 5.262
19-801	19*JG	1-1/2 F X 2-1/2 65 x 65	J	3.800 96.520	14.000 355.600	3.500 88.900	20.000 9.072
19-702	19*JH	2 X 2-1/2 50 x 65	J	4.060 103.124	14.250 361.950	3.500 88.900	19.900 9.026
19-801	19*JJ	2-1/2 X 2-1/2 65 x 65	J	4.500 114.300	14.680 372.872	3.500 88.900	20.800 9.435
NEW	19*JG	1-1/2 X 2-1/2 40x65	j	3.800 96.520	14.000 355.600	3.500 88.900	20.000 9.072

