

# SAFETY & RELIEF VALVES

## Bronze Safety Valves For Steam, Air and Gas Service

### 19 SERIES



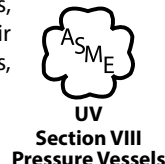
A dependable cast bronze high capacity safety valve ideal for use on all types of boilers, piping systems and unfired pressure vessels. This rugged design features top guided alignment for enhanced performance and reliability. Other features include optional metal seating, optional stainless steel wetted trim in all sizes, and a new, more descriptive model numbering system. Flow ratings are National Board certified in accordance with ASME sections I and VIII.

#### ASME Section I and VIII

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

Factory set pressures 5 to 300 psig

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



#### 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.

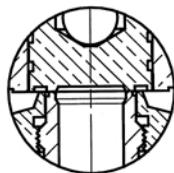
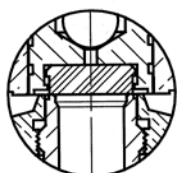
#### FEATURES:

- Wide wrenching hex for easier, faster installations
- Stainless steel springs are standard
- Choice of Teflon® or metal-to-metal seating
- Teflon® PFA seat resists corrosive boiler chemicals and excessive vibration
- High-capacity full nozzle design available in six orifice sizes
- Two control rings for maximum performance and adjustability
- Short "tuned" blow down minimizes product loss
- Tapped body drain allows piping of condensate safely away from equipment
- Reduced repair costs: soft seat easily replaced
- Registered in all Canadian provinces under CSA B51 CRN OG8547.5C

#### 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
- Oxygen cleaning
- European Pressure Equipment Directive compliant option (CE/PED)

#### SEAT DETAIL



**Soft Seat Design**  
Model 19K - Brass  
Model 19L - Stainless

**Metal to Metal Seat Design**  
Model 19M - Brass  
Model 19S - Stainless

#### 4 TRIM STYLES TO CHOOSE FROM

Series	19K	19M	19L	19S
Trim	Brass	Brass	SS	SS
Seat	Teflon®	Metal to Metal	Teflon®	Metal to Metal
Max. Set - Steam	250	250	250	300
Max. Set - Air/Gas	300	300	300	300
Max. Temperature	406°F	406°F	406°F	422°F

\* Teflon is a registered trademark of DuPont.

#### 19 SERIES MODEL 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			



For additional information, submittal sheets and manuals, visit [www.apollovalves.com](http://www.apollovalves.com)

Customer Service (704) 841-6000