

19 Series

ASME Safety Valve

SUBMITTAL SHEET

"Apollo" Valves



Job Name:	
Job Location:	
Engineer:	
Contractor:	
Tag:	
PO#:	
Rep:	
Wholesale Dist.:	

DESCRIPTION

ASME Sections I & VIII capacity certified safety valve for overpressure protection of steam power boilers, pressure piping systems, pressure vessels, piping and similar equipment. Suitable for steam, air and non-hazardous gases.

FEATURES

- ASME Section I & VIII Certified Capacities
- 5 - 300 psig Set Pressures @ -60°F min / 406°F max
- 1/2" - 2-1/2" Inlet Connections Available
- Stainless Steel Wetted Trim Standard
- PFA and Metal Seat Styles Available
- **Made in the USA**

APPROVALS

- ASME Section I Power Boilers
- ASME Section VIII Div 1 Pressure Vessels
- Canadian Registration Number 0G8547.5C
- Pressure Equipment Directive 2014/68/EU (PED)

**Set pressures and temperatures vary by model. Refer to catalog for sizing and selection information*

STANDARD MATERIALS LIST

BODY	ASTM B584 Bronze
NOZZLE	ASTM B16 Brass/316 SS
SPRING	Stainless Steel
SEAT	PFA Teflon/B16 Brass/316 SS

CAPACITY, Lb/Hr (Kg/Hr)

NATIONAL BOARD CAPACITY CERTIFIED, SECTION I STEAM

SET PRESSURE PSIG (bar)	15 (1.03)	100 (6.90)	250 (17.24)
D Orifice	174 (79)	646 (293)	1494 (678)
E Orifice	310 (141)	1152 (522)	2664 (1208)
F Orifice	484 (220)	1798 (816)	4185 (1886)
G Orifice	794 (360)	2950 (1338)	6822 (3094)
H Orifice	1240 (562)	4602 (2088)	7557 (3428)
J Orifice	2035 (923)	7557 (3428)	17477 (7928)

AVAILABLE CONFIGURATIONS

MODEL NUMBER	SIZE	WEIGHT lb. (kg)	HEIGHT in. (mm)
19*DC	1/2M x 3/4F	1.6(.73)	6.5 (165)
19*DD	3/4M x 3/4F	1.6(.73)	6.5 (165)
19*ED	3/4M x 1F	2.0(.91)	7.1 (180)
19*EE	1M x 1F	2.2(1.1)	7.1 (180)
19*FE	1M x 1-1/4F	4.1(1.9)	9.3 (236)
19*FF	1-1/4M x 1-1/4F	4.3(2.0)	9.3 (236)
19*GF	1-1/4M x 1-1/2F	7.4(3.4)	11.0 (279)
19*GG	1-1/2M x 1-1/2F	7.6(3.4)	11.0 (279)
19*HG	1-1/2M x 2F	11.5(5.2)	12.0 (305)
19*HH	2M x 2F	11.6(5.3)	12.0 (305)
19*JG	1-1/2F x 2-1/2F	20.0(9.1)	14.0(356)
19*JH	2M x 2-1/2F	19.9(9.0)	14.2 (360)
19*JJ	2-1/2M x 2-1/2F	20.8(9.4)	14.7 (373)

PART NUMBER MATRIX

19	D	C	K	165	A
SERIES NUMBER	ORIFICE LETTER	INLET SIZE	ASME CODE & SERVICE	SET PRESSURE (PSI)	SPECIAL OPTIONS
19K = Brass Trim/Teflon Seat	Orifice Letter from Capacity Chart	C = 1/2"	A = Sec I Steam		A = Anti-Vibration Trim
19M = Brass Trim/Metal Seat		D = 3/4"	K = Sec VIII Air		CE = CE/PED Compliant
19L = Stainless Trim/Teflon Seat		E = 1"	L = Sec VIII Steam		Q = Performance (Calibration) Test Reports
19S = Stainless Trim/Metal Seat		F = 1-1/4"	N = Non Code Air		X = Oxygen Cleaned
		G = 1-1/2"	P = Non Code Steam		*other suffixes - factory issued
		H = 2"			
		J = 2-1/2"			

**Not all configurations available together*

Customer Service (704) 841-6000
www.apollovalves.com

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