

19 Series

ASME Safety Valve

SUBMITTAL SHEET

"Apollo" Flow Controls



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 (19L, 19S)
- 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 OG8547.5C
- Pressure Equipment Directive 2014/68/EU (PED)

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

STANDARD MATERIAL 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)

† 19*JG available with brass trim only. 19KJG and 19MJG

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 19M = Brass Trim/Metal Seat 19L = Stainless Trim/Teflon Seat 19S = Stainless Trim/Metal Seat	Orifice Letter from Capacity Chart	C = 1/2" D = 3/4" E = 1" F = 1-1/4" G = 1-1/2" H = 2" J = 2-1/2"	A = Sec I Steam K = Sec VIII Air L = Sec VIII Steam N = Non Code Air P = Non Code Steam		A = Anti-Vibration Trim CE = CE/PED Compliant Q = Performance (Calibration) Test Reports X = Oxygen Cleaned *other suffixes - factory issued

*Not all configurations available together

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