



# 500 SERIES

## ASME SECTION VIII

### SAFETY RELIEF VALVE

Job Name:

Contractor:

Job Location:

P.O. Number:

Engineer:

Representative:

Tag:

Wholesale Distributor:

## DESCRIPTION

ASME Section VIII capacity certified safety relief valve for overpressure protection of steam, air/gas and liquid systems, pressure vessels, piping and similar equipment.

## FEATURES

- ASME Section VIII Certified Capacities
- 5 - 1200 psig Set Pressures @ 800F max
- 1/2" - 2" Inlet Connections
- Bronze, Carbon or Stainless Steel Construction
- Lapped Metal Seats; O-ring and PCTFE seats Optional
- Screwed Cap or Packed Lift Lever Configuration
- Directive 97/23/EC (PED) Compliance
- Directive 2002/95/CE (RoHS) Compliant
- MADE IN THE USA

## MATERIALS

Body: ASTM B584 Bronze; or ASTM A216 Carbon Steel; or ASTM A351 Stainless Steel

Nozzle: ASTM B16 Brass; ASTM A479 Stainless Steel

Spring: Stainless Steel

Seat: Stainless Steel

## CAPACITY, SCFM (Nm<sup>3</sup>/Hr)

National Board Capacity Certified, Section VIII Air

Set Pressure PSIG (bar)	D ORIFICE	E ORIFICE	F ORIFICE
15 (1.03)	67 (107)	118 (189)	185 (298)
100 (6.90)	255 (409)	449 (721)	706 (1135)
500 (34.48)	1153 (1853)	2032 (3267)	3197 (5138)
	G ORIFICE	H ORIFICE	J ORIFICE
15 (1.03)	304 (488)	474 (762)	776 (1247)
100 (6.90)	1158 (1862)	1808 (2907)	2959 (4756)
500 (34.48)	5246 (8433)	8189 (13164)	13399 (21538)

## DIMENSIONS

MODEL #	SIZE	INSTALLED HEIGHT
5**DCB	1/2M x 1F	6.97 (177)
5**DCD	1/2M x 3/4F*	6.97 (177)
5**DDB	3/4M x 1F	6.97 (177)
5**DDD	3/4M x 3/4F*	6.97 (177)
5**ED	3/4M x 1-1/4F	8.45 (215)
5**EE	1M x 1-1/4F	8.45 (215)
5**FE	1M x 1-1/2F	9.64 (245)
5**FF	1-1/4M x 1-1/2F	9.64 (245)
5**GF	1-1/4M x 2F	12.62 (321)
5**GG	1-1/2M x 2F	12.62 (321)
5**HG	1-1/2M x 2-1/2F	14.42 (367)
5**HH	2M x 2-1/2F	14.42 (367)
5**JH	2M x 3F	16.50 (419)

All dims in inches (mm); \*Bronze Body Only



## ORDER NUMBER

5 Trim - Cap - Orifice - Inlet - B - Service - Seat - Option - Pressure

Example: 513FEBKMAA0150

- Trim ☒ 1 = bronze body/brass trim  
☐ 2 = bronze body/stainless trim  
☐ 3 = carbon steel body/stainless trim  
☐ 4 = stainless steel body/stainless trim

- Cap ☐ 1 = screwed cap  
☐ 2 = screwed cap w/gag  
☒ 3 = packed lever  
☐ 4 = packed lever w/gag

- Orifice ☐ D ☐ E ☐ F ☐ G ☐ H ☐ J

- Inlet ☐ 1/2" ☐ 3/4" ☐ 1"  
☐ 1-1/4" ☐ 1-1/2" ☐ 2"

- Service ☐ K = ASME (VIII) AIR/GAS ☐ N = NON-CODE AIR/GAS  
☐ L = ASME (VIII) STEAM ☐ P = NON-CODE STEAM  
☒ J = ASME (VIII) LIQUID ☐ M = NON-CODE LIQUID

Set Pressure\*  psig

\*D/E orifice 5-1200; F/G orifice 5-600; H/J orifice 5-500

- Options ☒ AA = Standard Configuration  
☐ CE = PED compliant  
☐ OX = Oxygen Cleaned  
☐ HT = Hi Temp Spring (Above 550F)

NOTE: NOT ALL CONFIGURATIONS AVAILABLE TOGETHER

## APPROVALS



ASME Section VIII Div 1 Pressure Vessels  
Canadian Registration Number 0G8547.5C  
Pressure Equipment Directive 97/23/EC (PED)

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