



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 (Nm³/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)

Conbraco Industries, Inc. 701 Matthews Mint Hill Rd. Matthews NC 28105 USA ; www.conbraco.com ; 704-841-6000

This specification is provided for reference only. Conbraco reserves the right to change any portion of this specification without notice and without incurring obligation to make such changes to Conbraco products previously or subsequently sold.