

High Pressure/Miniature
maximum 6000 PSIG in/ranges up to 1800 PSIG out
pressure reducing/compact/durable

BB-1 Series

Specifications

❑ Operating Parameters

pressure rating per criteria of ANSI/ASME B31.3

maximum rated inlet pressure 6000 PSIG

outlet pressure ranges:

low pressure 0-220 PSIG

high pressure 0-1800 PSIG

design proof pressure 150% maximum
rated pressure

leakage bubble-tight

operating temperature¹ -15° F to +165° F
(-25° C to +74° C)

flow capacity $C_v = .06$

¹. Extended temperatures from -40°F to +400°F available,
please consult Tescom.

❑ Media Contact Materials

body Aluminum 6061 (Nickel-plated)².

seat CTFE, PEEK or Vespe[®]

o-rings see Part Number Selector

remaining parts . . . 300 Series SST or Aluminum

². 316 Stainless Steel construction available, please consult
Tescom.

For other materials and modifications, please consult Tescom.

❑ Connections 1/4" NPT or SAE

❑ Cleaning CGA 4.1 and ASTM G93

❑ Weight (approximate)5 lbs. (.23kg)

Pressure Conversion 14.5 PSIG = 1 bar 145 PSIG = 1 MPa

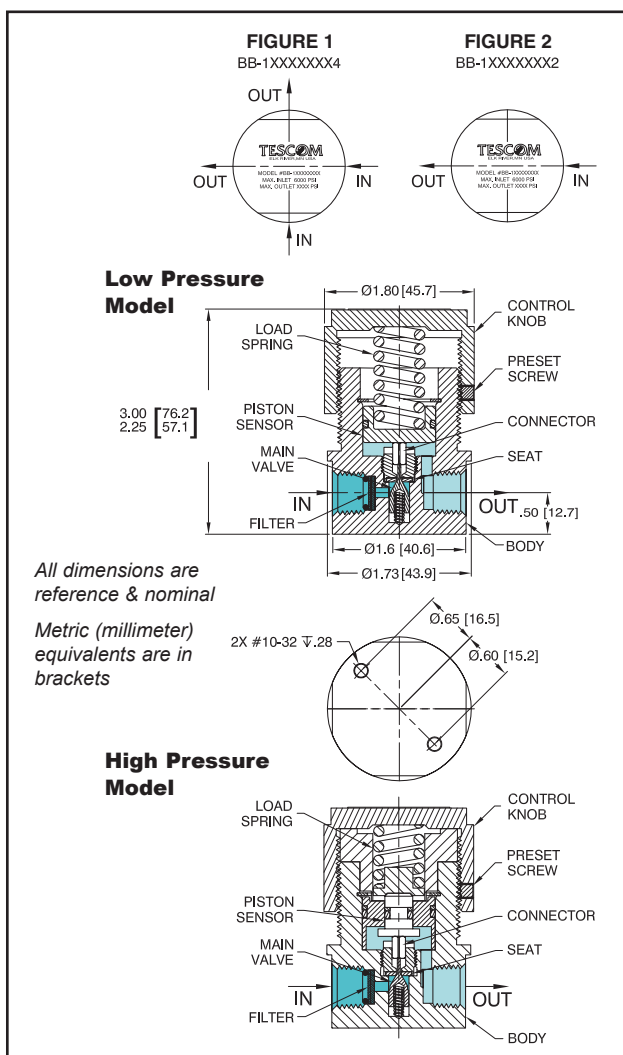
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Advantages

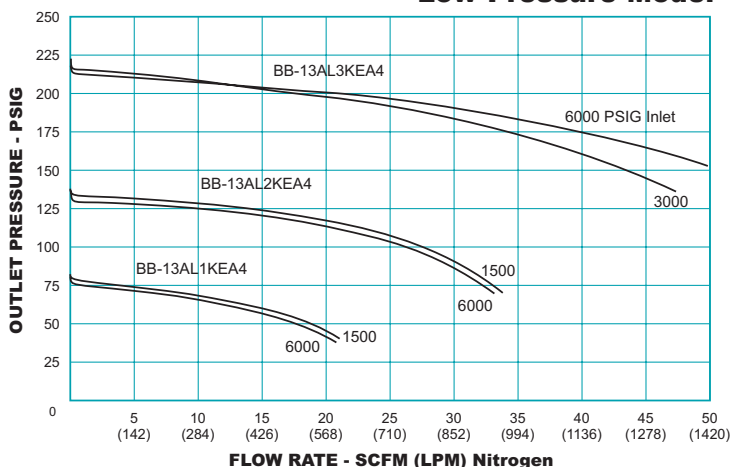
- Durable piston sensed design
- Outlet pressure ranges are field adjustable
- Two and four 1/4" NPT or SAE ports standard
- Unbalanced main valve
- Minimal soft goods
- Non-venting
- Back pressure, two-stage and cartridge versions available
- 316 SST construction available

BB-1 Series High Pressure/Miniature

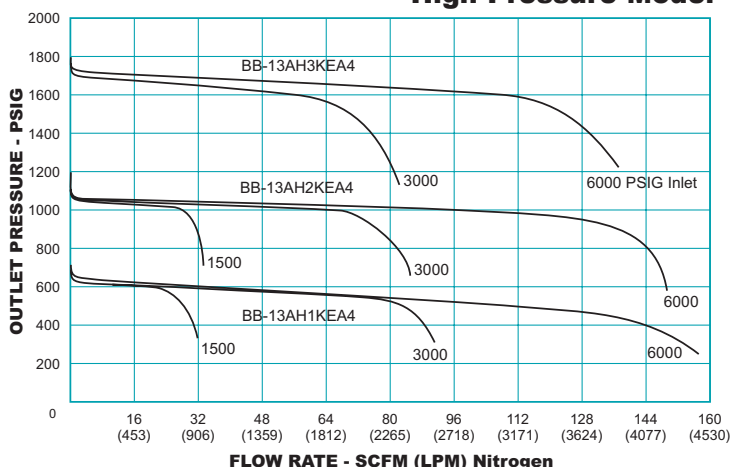


Flow Charts

Low Pressure Model



High Pressure Model



Part Number Selector

example part number:

BB - 1 3 A L3 K E A4

BASIC SERIES	FUNCTION	BODY MATERIAL	LOAD TYPE	OUTLET PRESSURE		SEAT	O-RING SEAL	PORTING CONFIG. NUMBER OF PORTS
				ADJUSTABLE	PRESET			
BB	1 - Pressure Reducing	3 - Aluminum 6061	A - Adjustable P - Preset	L1 - 0-80 PSIG	0-80 PSIG	K - CTFE P - PEEK V - Vespel®	B - 90 Duro Buna E - E.P. K - Kalrez® N - Buna-N U - Polyurethane V - Viton®	A4 - 1/4" NPT 4 (Figure 1) B4 - 1/4" SAE 4 (Figure 1) A2 - 1/4" NPT 2 (Figure 2) B2 - 1/4" SAE 2 (Figure 2)
				L2 - 0-140 PSIG	80-140 PSIG			
				L3 - 0-220 PSIG	140-220 PSIG			
				H1 - 0-700 PSIG	220-700 PSIG			
				H2 - 0-1200 PSIG	700-1200 PSIG			
				H3 - 0-1800 PSIG	1200-1800 PSIG			

Repair Kits, Accessories & Modifications may be available for this product. Please contact Tescom for more information.



WARNING! Do not attempt to select, install, use or maintain this product until you have read and fully understood the Tescom Safety, Installation & Operation Precautions.

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