

Block & Bleed Valve For Safety of Pressure Gauges

INTRODUCTION

Pressure gauges which are installed on the pipeline, and carrying low pressure air or gas, often face failure due to sudden rise of pressure during start up or sudden rise of pressure, due to failure of auxiliary equipment, destroying/ destructing either complete pressure gauge or precision set range of the pressure gauge. AVCON has produced low cost Block & Bleed valve to protect pressure gauge from damaging.

OPERATING PRINCIPLE

In normal operation, gas or air is isolated entering the pressure gauge. On pressing the push rod, gas enters pressure gauge showing the correct pressure. On releasing the pressure on push rod, inlet is blocked and gas trapped in the pressure gauge, is relieved to the atmosphere at slow rate.

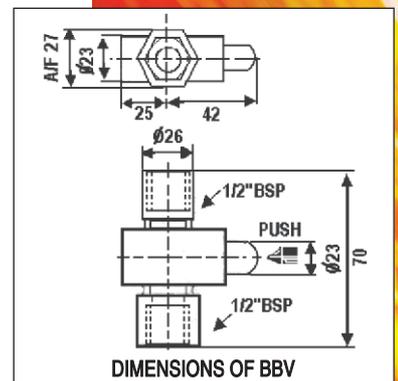
The valve is constructed in Stainless Steel 304 material with all SS 304 parts, machined on high precision CNC machine. Available in either NPT/ BSP (F) end threaded connection. The valve can be installed on most of the low pressure gases and air pressures. The valve has been approved by M/s. Gujrat Gas Co. for use on Natural Gas and LPG line.

OPERATING PRINCIPLE

- Body : Investment Cast
ASTM A 351CF8
- Push Rod : AISI St. St. 304
- Spring : AISI 302
- "O" Ring : Buna Nitrile/ Viton or Neoprene
- End Connections : 1/2 " BSP or
1/2 " NPT
- Max. Temperature : Depending on the material of " O " Ring.
- Max. Pressure : For Gas 4 Bar
For Air- 16 Bar
- Weight : 250 Grams.
- Packings : Available in Packing of 10, 100, 200 or 300 Nos.

Note:

Technical specifications and dimensions are subject to change without prior notice. Dimensions in the table are approximate subject to final confirmation by AVCON.



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