



BWB Controls

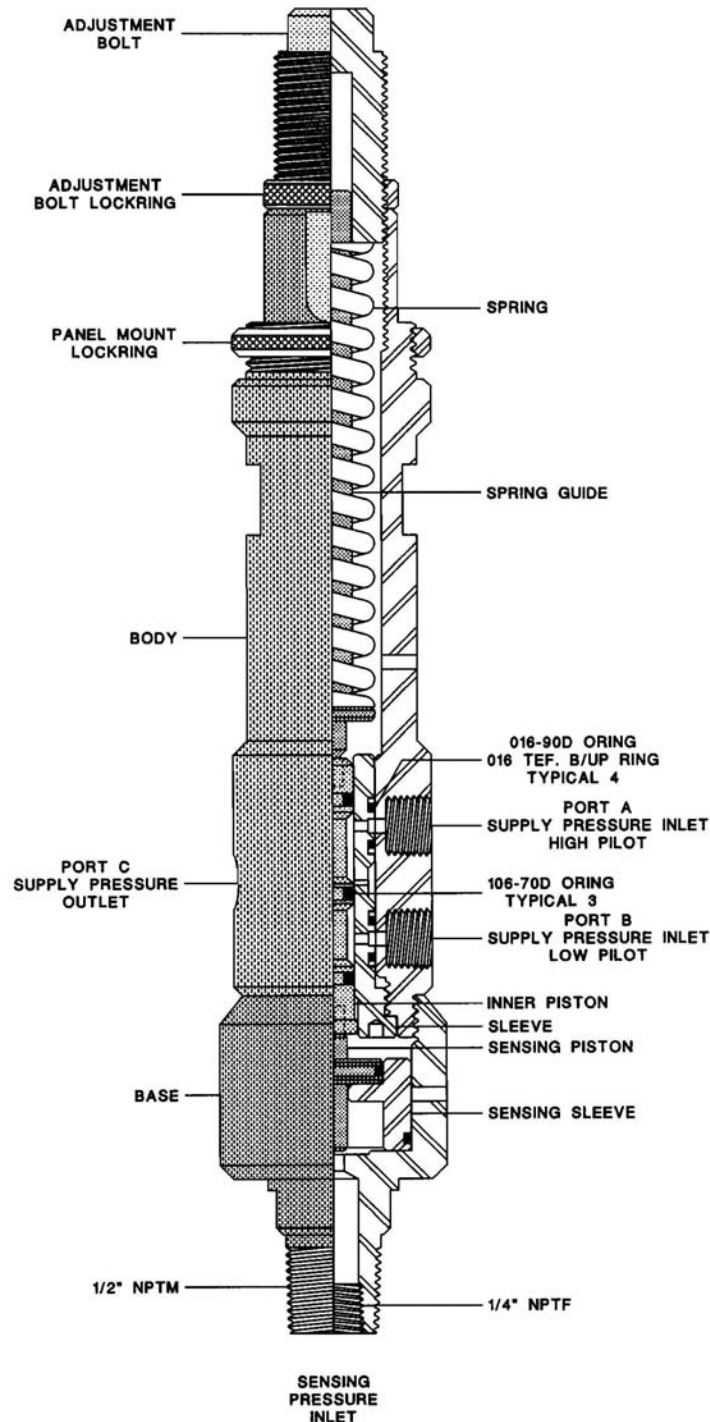
Telephone (985)-876-4117

info@bwbcontrols.com

ISO 9001:2008 Certified



"RH2" HIGH FLOW PRESSURE SENSOR HIGH or LOW PRESSURE SENSING DEVICE Pneumatic or Hydraulic Service



Designed and Manufactured using Safe Engineering Practices (SEP)
in accordance with the European Pressure Directive 97/23/EC



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INSTALLATION

CONNECTION	1/4" NPTF	1/2" NPTM *Sensing Pressure Only*	
PANEL MOUNT	1 9/16" Diameter Hole		
MANIFOLD	6" Mount Block (PSHL)	3" Mount Block (PSH or PSL)	
PORT A	PSH - Supply Inlet	PSL - Exhaust (30-1500 PSI) (Pneumatic) PSL - Exhaust (30-2200 PSI) (Hydraulic)	Orifice .125"
PORT B	PSL - Supply Inlet	PSH - Exhaust	.125"
PORT C	Supply Pressure Outlet		.125"
PORT D	Sensing Pressure Inlet	(150-10000 PSI)	.187"

OPERATION

The BWB "RH2" is a 3 way normally closed or normally open, automatic, high flow pressure sensing device. By choosing the appropriate inlet, the sensor can detect pressure above (PSH) or below (PSL) any desired pressure setting. By selecting the correct piston assembly & spring combination and either loosening or tightening the adjustment bolt, the sensor may be set between 150 and 10,000 PSI. The sensor is normally installed on a process vessel, process flowline, or in a control panel. It receives sensing pressure (Port D) from the component which it is monitoring and supply pressure (Port A or B) from the safety system which it will shutdown.

During normal operation, the sensing pressure (Port D) should remain either above or below the desired setting. This will allow supply pressure (Port A or B) to pass through the outlet (Port C), and on to the actuator or system.

When the sensing pressure (Port D) rises above or falls below the set pressure, the sensor will block the supply pressure (Port A or B) and bleed the outlet (Port C) through the exhaust (Port A or B) thus closing the actuator or system.

When the sensing pressure (Port D) returns to normal operating limits, the sensor will automatically reset.

FEATURES

Specify Viton O-Rings for Pneumatic Service or Buna-L O-Rings for Hydraulic Service
All 316 Stainless Steel Construction
Available in exotic metals for special service applications
Spring can be removed with sensing pressure present
Sensing pressure will exhaust through vent if body is loosened from base
Operation and reset within +/- 5% to 20% of set pressure

OPTIONS

RH2 (PSH or PSL Only) RH2 (PSHL - 2 Required)

WEIGHT

RH2 4.5 Pounds RH2 (PSHL) 11.75 Pounds

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