

# Pressure Control Pilots

## PC88 Models

The PC88 is a rugged, economical pressure control pilot. It can be used anywhere pressure control of high pressure gas is required. When used in conjunction with a control valve, it may serve as either a back pressure regulator or pressure reducing regulator. It can also be used to send a signal when the sense pressure goes above or falls below a given set point.

The PC88 is available as direct acting or reverse acting. The action is field reversible. The PC88 Direct functions by sensing a high-pressure signal and outputting a low-pressure signal when the high pressure signal rises above the set point. The PC88 Reverse outputs a low-pressure signal when the high pressure signal falls below the set point. A NACE option is also available.

## Specifications

### Connections (Sense Pressure, Supply & Output)

**Pressures):** 1/4" female NPT

**Vent:** 1/8" female NPT

**Temperature Range:**

-20° F to 400° F (-28° C to 204° C)

**Set Pressure Range:** 75 to 1500 psi

**Weight:** 17 lbs

**Materials:**

**Body, Base and Bonnet:** WCB steel

**Internals:** Stainless steel

**Main Spring:** Carbon steel

**Diaphragm:** Nylon reinforced Buna, nylon reinforced

Viton® (optional)

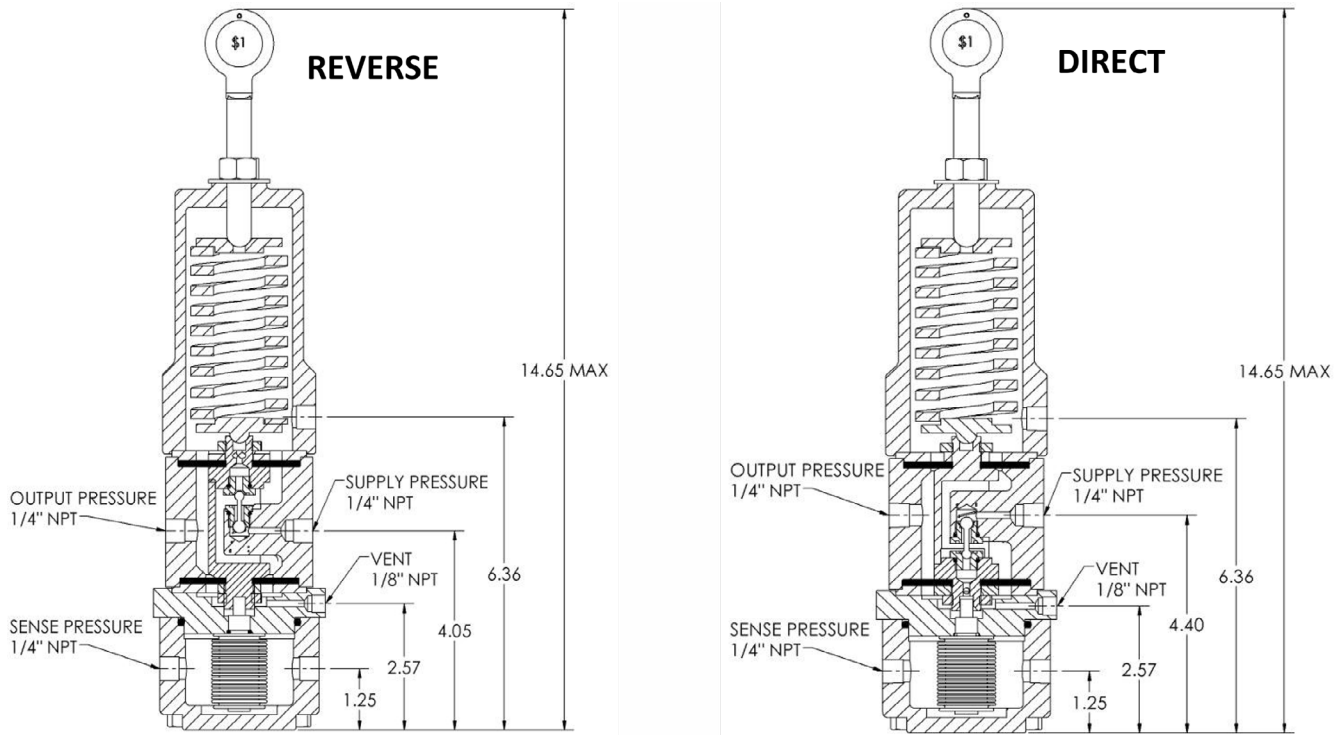
**Seals:** Buna, Viton® (optional)

Pressure Range (psig)	Adjustment Set Point Change (psig)	Sensitivity	
		Sense Pressure Change (psig)	Output Pressure Change (psig)
75-500	20 psig/ 1 Turn	1	1.6
75-750	20 psig/ 1 Turn	1	1.6
150-1500	40 psig/ 1 Turn	1	1



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# Dimensions

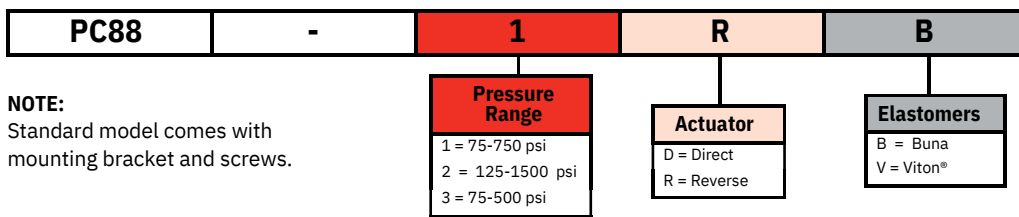


## How to Order

Options are listed below. All configurations may not be available. Call your sales representative or FW Murphy for more information. Repair kits are available.

Example Model No. **PC88-1RB**

PC88 Series Pressure Control Pilot, 75-750 psi, Reverse Acting, Steel Body, Bonnet and Base, Stainless Steel Internals, Nylon Reinforced Buna Diaphragm, Buna Seals



**NOTE:**  
Standard model comes with mounting bracket and screws.

FW Murphy is the exclusive BMD distributor for new equipment packages.



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