



## SPECIFICATION

**Model** PR 10S | PR 10SS | PR 20S

**Service** Air

**Max Input Pressure** 270 psig

**Output Pressure Ranges** (0-40 psig)/(0-100psig)

**End Connections** 1/4" NPT 9f)/1/2" NPT (F)

**Drip Well Capacity** 135 CC ( approximate )

**Ambient Temperature** -40° to 80° C

**Body** LM 6 Aluminium Alloy / SS

**Filters** Sintered bronze 5 microns

**Trim** Neoprene moulded with SS stem

**Diaphragm** Neoprene | Viton | EPDM with nylon insert

**Dran Cock** SS

**Springs** Spring Steel zinc chromated

**Handle Screw** SS

**Mounting** Surface or Panel

## SALIENT FEATURES

Accuracy ● Quick Response ● High Stability Longer Life ● Excellent Characteristics ● Negligible Pressure Drop ● Can be mounted both vertically & horizontally ● Custom Made Units Available ● Most Economically Priced

## PRODUCT DESCRIPTION

The Philair filter regulator prevents moisture and dust in the compressed air line while maintaining output pressure at a stable level, in spite of variations of both inlet pressure and air consumption.

## PRODUCT OPERATION

The Primary air through the inlet passes through the filter element which removes particles as small as 5 microns. When the adjusting knob is adjusted downwards, adjusting spring is compressed resulting in closing of relief valve and opening of inlet valve thereby allowing air flow to outlet. When the outlet pressure reaches required set pressure value, it balances against diaphragm and adjusting spring and both inlet valve and relief valves are closed.