



SPECIFICATION

Service Air
Max. Input Pressure 270 psig
Signal Range Model PL 4S (5-40 psig)
 Model PL 10S (5-100 psig)
End Connections 1/4" NPT /BSP
Ambient Temperature -40°C to 80°C
Body LM 6 Aluminium alloy
Diaphragm Neoprene with Nylon insert
Adjusting Screw SS
Mounting Surface or panel
Screws & Nuts SS

SALIENT FEATURES

Compact Design • Quick Response • High Stability & reliability • Longer Life • Easy to Install • Trouble free Service • Economically Priced • Soft Seating for Bubble Tight Shut Off

PRODUCT DESCRIPTION

The Air Lock up valve is used for blocking air flow in pneumatic system whenever pressure drops below a set value and to restore the air flow automatically when the pressure exceeds the set value.

PRODUCT OPERATION

It is a spring and diaphragm operated equipment. Line pressure is connected to signal port. Control instrument pressure is connected to "IN" port and "OUT" port is connected to actuator. The signal pressure causes upward movement of diaphragm sub assembly against the adjusting spring. The valve coupled to the diaphragm, opens and allows flow of air to actuator. When the pressure drops below the set value the spring force exceeds the diaphragm pressure and closes the valve thereby blocking the air path. When the air pressure is restored to set value the valve opens automatically.