



SPECIFICATION

Model PD 20S / PD 30S / PD 50S / PD S20S / PD S30S / PD S50S
Supply Pressure 7 kg / Cm²
Set Pressure 2~6.5 Kg / Cm²
Flow Rate 600 NI / Min at 5 Kg / Cm² /
 2500 NI / Min / 3200 NI/Min
Air Consumption Less than 0.5 NI/Min
Hysteresis Within 1%
Ambient Temp -5° C ~ 60° C
Port Size 1/2" NPT (F)/3/4" NPT /1"NPT
Material Aluminium / SS

SALIENT FEATURES

Compact Design • Quick Response • High Stability & Reliability • Longer life • Easy to Install • Trouble Free Services • Economically Priced • Soft Seating for Bubble Tight Shut Off

PRODUCT DESCRIPTION

Philair make double acting air lock up relay is used in conjunction with double acting power cylinders for locking air in both the chambers of cylinder whenever the main supply pressure falls below a pre-set value.

PRODUCT OPERATION

The units is mounted between output lines of double acting positioner and chambers of power cylinder. The supply pressure (signal) connected to the relay is sensed by a spring loaded diaphragm and the thrust developed enables a pilot valve to open. the output from the pilot valve acts on a piston and the thrust developed by it acts upon the plunger, which opens both ports simultaneously. When malfunction in the control signal circuit occurs pressure holding above the piston. Downwards is lost through the exhaust valve, inlet valves is closes with spring return and the circuit is sealed. This closed condition will continue until the signal pressure is established to the original level