

FITTING OF ADAPTORS TO PNEUMATIC VALVES

It is not recommended that any fittings, compression or otherwise, that are larger than 1/8" BSP (PV) and 1/8" NPT (SMS) be fitted to the pneumatic valve.

If the need arises to adapt to a larger size, then care must be exercised when screwing the adaptors in, so as not to strip the thread in the valve body.

The tightening of compression fittings and compressing of ferrules to pipe-work while fitted to the valve is not recommended.



Leaflet No. INS.2
Issue 3

PNEUMATIC OUTPUTS

This leaflet applies to controls fitted with Pneumatic Outputs
Models PV and SMS only

Please read in conjunction with
Leaflet - N^o INS 1

SIRCO CONTROLS LTD.
SWEYNES INDUSTRIAL ESTATE,
ASHINGDON ROAD, ROCHFORD, ESSEX, SS4 1RQ

Tel: +44 (0)1702 545125
Email: info@sirco-controls.co.uk

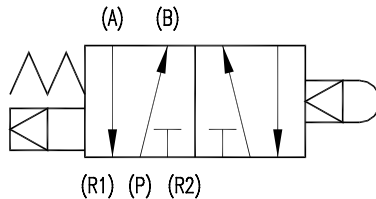
PV VALVE CONNECTION DETAILS

Air must be feed into port 'P' at all times, as this also feeds the internal pilot.

When the valve is in the 'un-operated' position, air will flow from port 'B'. Port 'A' will be vented through port 'R1'.

When the valve is operated, air will flow from port 'A' and port 'B' will be vented through port 'R2'.

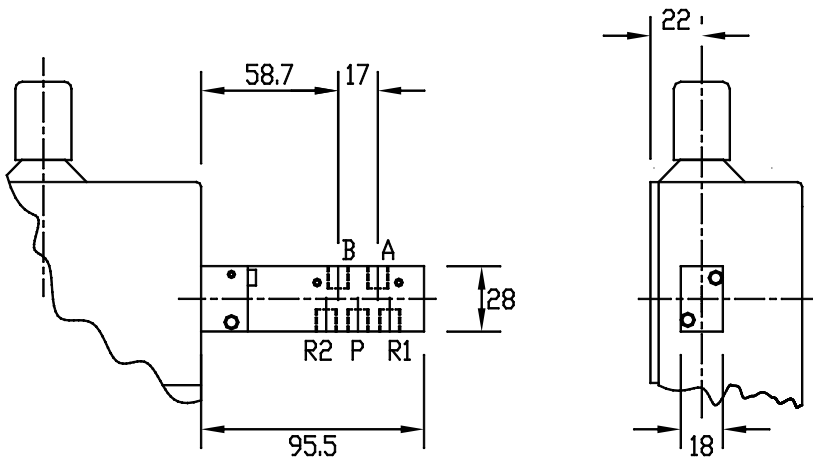
See schematic diagram below:-



A pilot air supply of 1.5 to 7 Bar must be connected to port 'P'.

Port connections are 1/8" BSP (standard).

Pressure of between 1.5 and 7 Bar can be switched by the PV pneumatic Valve.



S.M.S VALVE CONNECTION DETAILS

The SMS air switch may be piped normally closed, normally open, or as a diverter.

Normally Closed

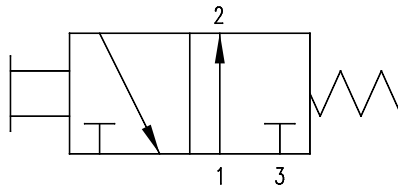
Pressurized air flows from 1 to 2 when button is pushed. Exhaust air flows from 2 to 3 when button is released.

Normally Open

Pressurized air flows from 3 to 2 when button is not pushed. Exhaust air flows from 2 to 1 when button is pressed.

Diverter

Pressurized air flows from 2 to 1 when button is pushed. Pressurized air flows from 2 to 3 when button is released. This hook-up does not provide for exhaust.



Valve Pressure Range: Vacuum to 120 PSI.

Port connections are 1/8" NPT.

Flow at 100 PSI: 6 SCFM.

