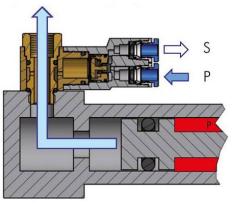
Pneumatic fitting sensor



This pneumatic sensor is used to detect the end position of a cylinder. It works by measuring the pressure drop at the outlet chamber of the cylinder when it reaches the end of the stroke. Pneumatic sensor fittings replace limit switches. The sensor is screwed into the pneumatic ports of the cylinder. It scans the working pressure of a cylinder by screwing into its input hole. The screw connection switches from (P) 1 to (S) 5 when there is no pressure on the screw connection.





Oscillating function

With the oscillating function, a cylinder can be continuously moved back and forth particularly slowly (e.g. with long linear cylinders as a squeegee in the printing industry).

Advantages:

The pneumatic sensors replace limit switches, which are structurally very difficult to attach.

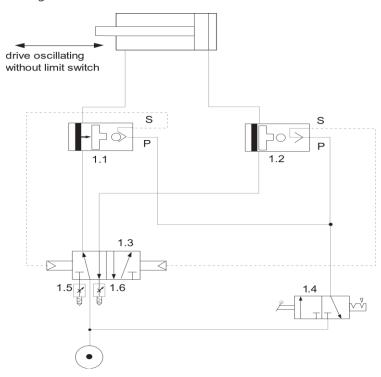
The cylinder can run extremely slowly and yes oscillating without a limit switch.

- or with the exhaust air throttle open on one side, quickly to one side and extremely slowly to the other side to run.
- or run extremely fast in both directions with hardly any throttling.

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Warning:

The signal screw connections detect reaching the end position only when there is a pressure drop. However, this pressure drop can also occur if the cylinder's movement path is blocked. Pneumatic cylinder switches, which react directly to a magnetic piston's magnetic field, are recommended if there is a risk of such a blockage.



Parts list:

and desired speed.

- 1.1 Pneumatic sensor fitting (M5 to G 1/2 inch), select according to cylinder diameter.
 1.2 Pneumatic sensor fitting (M5 to G 1/2"), select according to cylinder diameter.
 1.3 5/2-way pneumatic bistable valve (M5 to G 1/2"), according to cylinder deamer
- 1.4 3/2-way pneumatic manual valve (This valve is only required if the cylinder should always stop in a defined end position).
 1.5 Silencer throttle valve according to valve selection 1.3 (M5 to G 1/2 inch).
 1.6 Silencer throttle according to valve selection 1.3 (M5 to G 1/2 inch).