



Design

The filter regulator with pressure gauge, on/off valve, push-in fitting and quick coupling plug is mounted on a swiveling retainer. The filter bowl is fitted with a metal bowl guard. The unit is mounted on the profile plate by means of cheese head screws and T-head nuts (mounting alternative "C"). Attached is a quick coupling socket with threaded bush and connector nut for plastic tubing PUN 6 x 1.

Function

The filter with water separator cleans the compressed air of dirt, pipe scale, rust and condensate.

The pressure regulator adjusts the compressed air supplied to the set operating pressure and compensates for pressure fluctuations. An arrow on the housing indicates the direction of flow. The filter bowl is fitted with a filter drain screw. The pressure gauge shows the preset pressure. The on/off valve exhausts the entire control. The 3/2-way valve is actuated via the blue sliding sleeve.

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Start-up valve with filter control valve

Note

When constructing a circuit, please ensure that the filter regulator is installed in the vertical position. The pressure regulator is fitted with an adjusting knob, which can be turned to set the required pressure. By sliding the adjusting knob towards the housing, the setting can be locked.

Technical Data

Pneumatic	
Medium	Compressed air
Design	Sintered filter with water separator, diaphragm control valve
Assembly position	Vertical $\pm 5^\circ$
Standard nominal flow rate *	110 l/min
Upstream pressure	100 to 1000 kPa (1 to 10 bar)
Operating pressure	50 to 700 kPa (0.5 to 7 bar)
Connection	Coupling plug for coupling socket G1/8 QS push-in fitting for plastic tubing PUN 6 x 1

* Upstream pressure: 1000 kPa (10 bar), Operating pressure: 600 kPa (6 bar), Differential pressure: 100 kPa (1 bar).