

AUTOMATIC SELF CLEANING FILTER

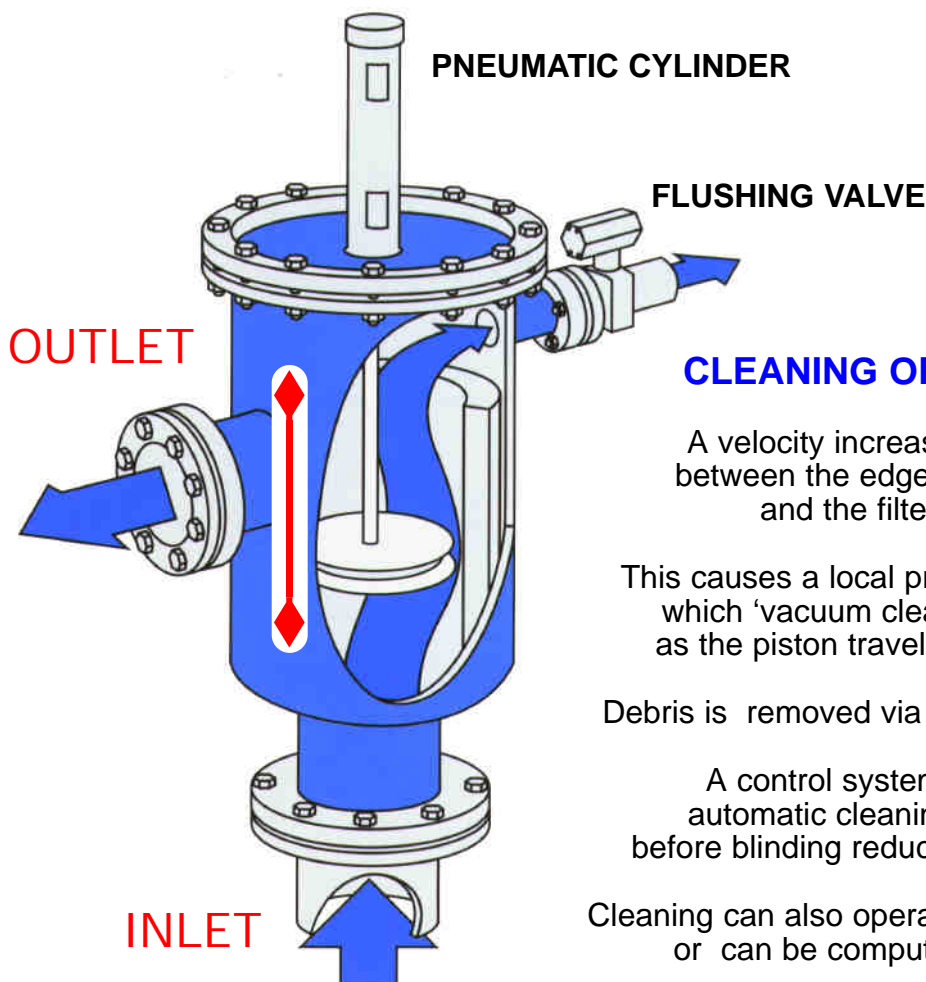
a PRE-FILTER for LIQUIDS

150 microns to 2 mm

A SELF-CLEANING filter for continuous filtration of liquids in pressurised systems.

The filter removes debris from water sources such as rivers and the sea.

It can also be used to remove particles from process liquids.



CLEANING OPERATION

A velocity increase is created between the edge of the piston and the filter basket.

This causes a local pressure reduction which 'vacuum cleans' the basket as the piston travels up and down.

Debris is removed via the flushing valve.

A control system starts the automatic cleaning sequence before blinding reduces the flow rate.

Cleaning can also operate on a preset timer or can be computer controlled.

Advantages

- Continuous operation
- Does not require regular maintenance.
- Low pressure drop, even at high flow rates.
- Low flushing pressure - 0.3 bar g pressure is sufficient.
- Easy installation - the filter can be fitted directly to pipe-lines in a horizontal or vertical position .
- Good corrosion resistance, especially with sea water -

see specifications overleaf

SPECIFICATIONS

FILTER TYPE	FILTER BODY	DESIGN PRESSURE	MAX OPERATING TEMPERATURE
BSP	PVC	10 bar g	40°C
BSG	GRP	10/6 bar g	60°C
BSS	316	10 bar g	80°C

BSG = polyester / glass fibre
BSS = stainless steel

FILTRATION 0.15 - 2.0 mm
MAX. PARTICLE SIZE 40 mm
MIN. SYSTEM PRESSURE 0.3 bar g

MATERIALS

BODY as shown above
BASKET SS 316 , Titanium
DRIVING UNIT SS 316
PISTON SEAL polyurethane
FLUSHING VALVE PVC or SS 316

CONTROLS

Pneumatic, 6 bar air pressure
 Voltage, 230 V, 50 / 60 Hz

FUNCTIONS

Electronic control
 Differential pressure switch
 Timer controlled over-ride
 Double supervision system

CONTACTS for COMPUTER SUPERVISION

Filter in operation
 Flushing
 Alarm

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