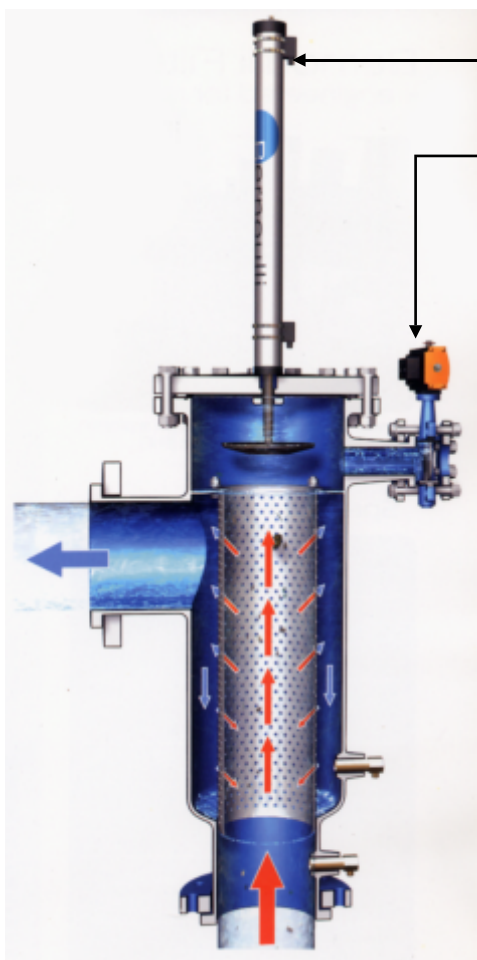


# AUTOMATIC SELF CLEANING FILTER

## 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.



**PNEUMATIC CYLINDER**

**FLUSHING VALVE**

### 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

# AUTOMATIC SELF CLEANING FILTER

| 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                      |

BSS = polyester / glass fibre  
BSS = stainless steel

**FILTRATION** 0.1 - 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

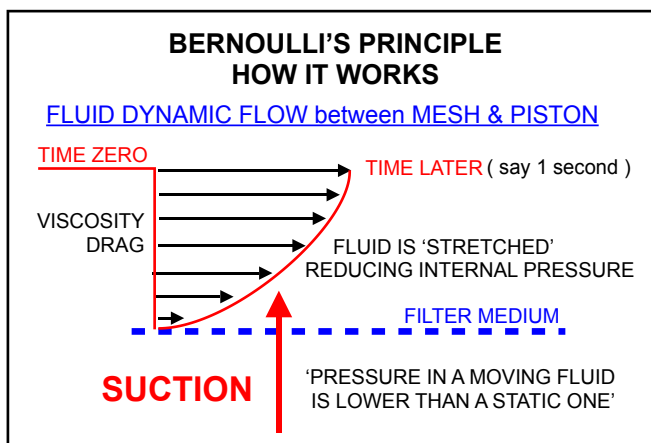
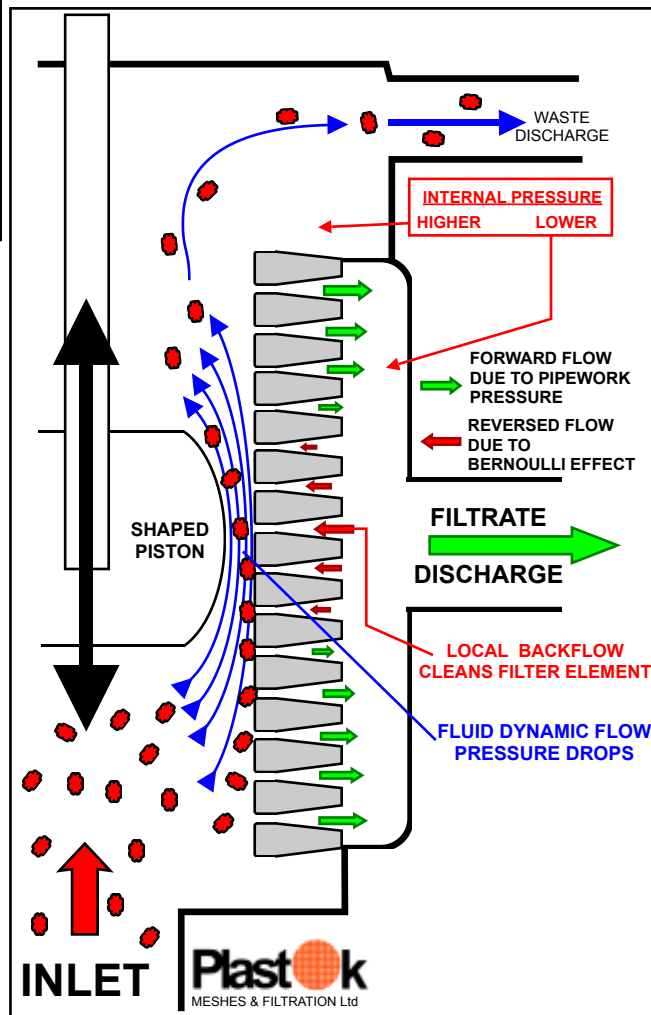
Electronic control  
 Differential pressure switch  
 Timer controlled over-ride  
 Double supervision system

## SIZES

Available in a range of sizes to  
 Accommodate all flow-rates

## CONTACTS for COMPUTER SUPERVISION

Filter in operation  
 Flushing  
 Alarm



5B - auto self clean