

Magnetic Filter

5450 series

551810CST

replaces dp 000/14 GB



Function

Magnetic filter provides protection for the generator and related devices from impurities present in water distribution network or generated in the hydraulic circuit (scale, rust, welding residuals, etc.) by mechanical selection. Moreover, the magnetic element remove the magnetite which is captured into the chamber.

Code



5450PA66	3/4"M	-	12
5450PA66G	1"M	-	12

Product range

5450PA66 Magnetic filter for horizontal pipes

sizes DN 20 (3/4"M)

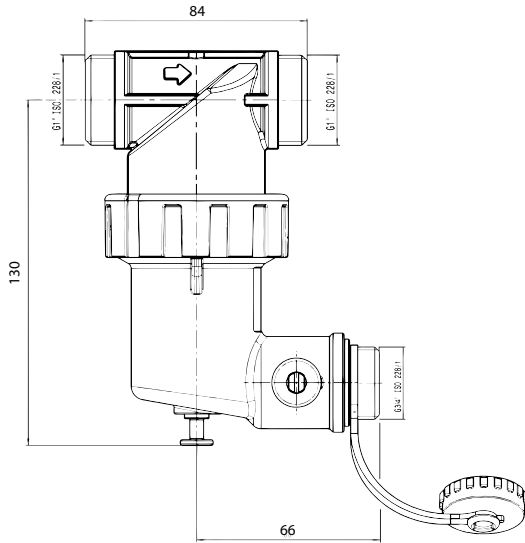
5450PA66G Magnetic filter for horizontal pipes

sizes DN 25 (1"M)

Technical specifications

series	5450PA66/G
Materials Body: Tee: Strainer Discharge tap	PA66G30 PA66G30 Stainless steel CW617N
Performance Media: Max. percentage of glycol: Max. pressure: Working temperature range: Kv: Strainer net(inscribed cyrcle) Magnet strength:	water, glycol solutions 50% 3 bar 5-90°C 7 m ³ /h 0.8mm BR 1,3T
Connections Tee:	3/4"M, 1"M

Dimensions

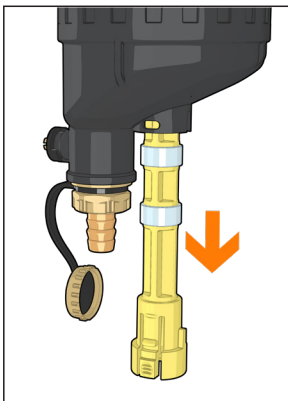


Dimensions valid only for geometry evaluation

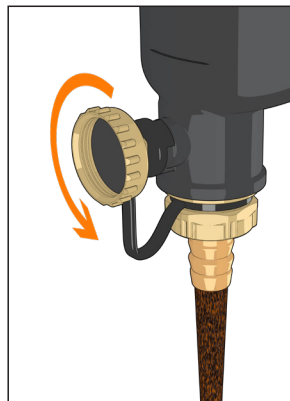
Maintenance and dirt discharge

The filter mesh cleaning mechanism with special brushes means that the device does not have to be disassembled in order to carry out maintenance. It is sufficient to leave the system filling unit in operation.

1. Switch off the circulator and remove the central magnet holder stem.



2. Drain the impurities with the filling unit active.



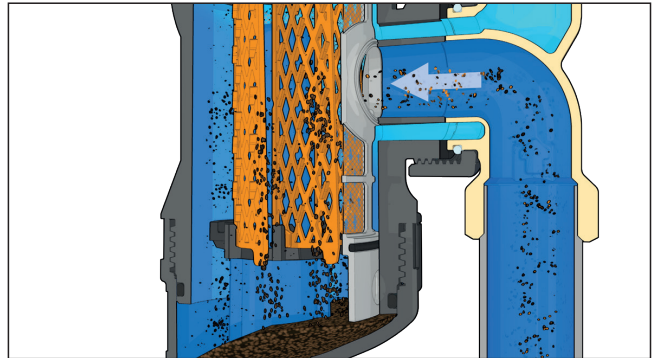
3. Turn the top knob clockwise to clean the filter mesh with the special internal brushes. Turn a few times to clean properly.

4. After cleaning, align the indicator on the top knob with the reference mark on the device body. Close the drain cock and start the system.

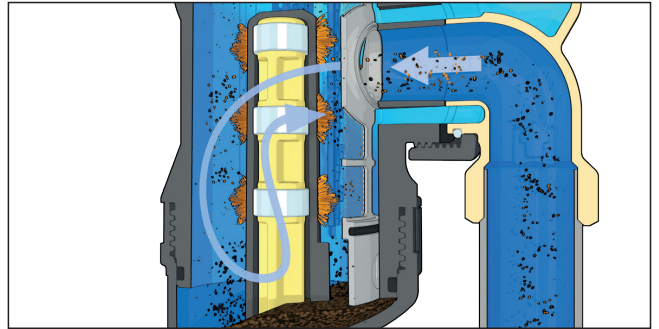
Operating principle

Water treatment in the system takes place in three separate stages:

1. The water enters at the centre of the device and comes into contact with the internal element, which consists of a set of concentric mesh surfaces. The microparticles are separated by the joint action of the large chamber and the mesh surfaces.



2. The magnets positioned on the central stem capture and trap the ferrous impurities, down to the smallest size.



3. At the device outlet, the water passes through a filter mesh, which retains the residual impurities by mechanically selecting the particles according to their size. The large filter mesh surface with a mesh size of 160µm makes less prone to clogging.

