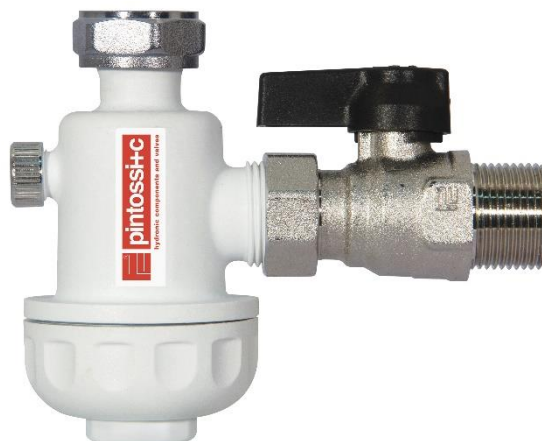


MINI magnetic dirt separator

Art. 9080



100% MADE IN ITALY 

Function Pintossi+C mini magnetic dirt separator is an excellent solution to deal with the various plant engineering problems due to impurities present in the water (in particular rust and sand) which are created as a result of corrosion and encrustations during normal functioning operations in a heating system.

The filter guarantees **continuous protection of the boiler**, preventing the circulation of these microparticles in the system, thus preserving the most sensitive components such as the circulator and the heat exchanger.

The filter must be installed on the return circuit, at the inlet of the boiler. Thanks to its extremely compact dimensions it can be installed in very small spaces, ensuring excellent performances for boiler protection.

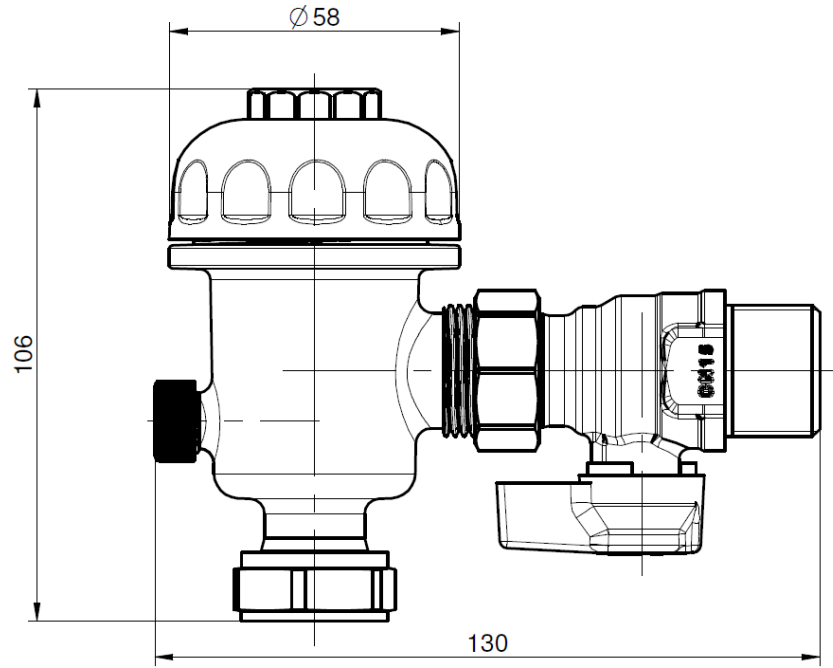
Technical characteristics

Fluids:	Water or glycol solutions
Max. glycole:	30%
Max. working temp.:	90°C
Max. working pressure:	6 bar
Magnet:	13.200 Gauss
Filtration rate:	800 microns
Kv [m ³ /h]:	4,46

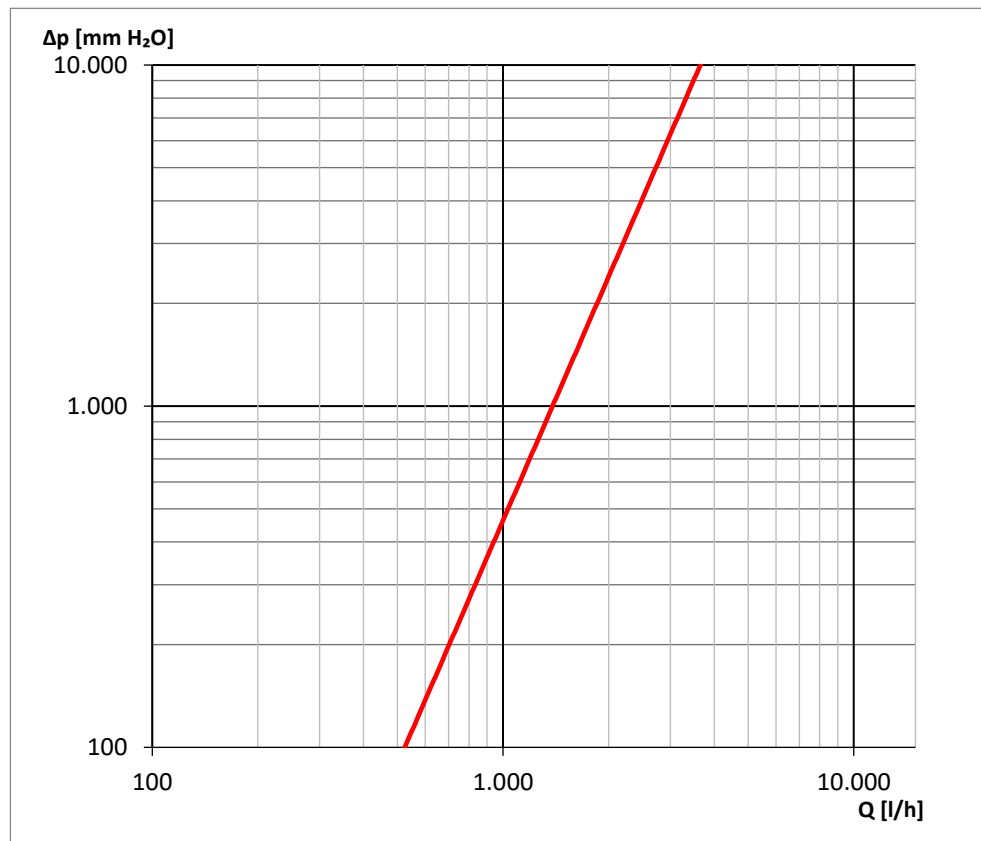
Materials

Body:	Grivory Technopolymer
Cap:	Grivory Technopolymer
Filtering net:	Stainless Steel
Ball valve:	Brass
O-ring:	Silicone
Magnet:	NdFeB

Dimensions



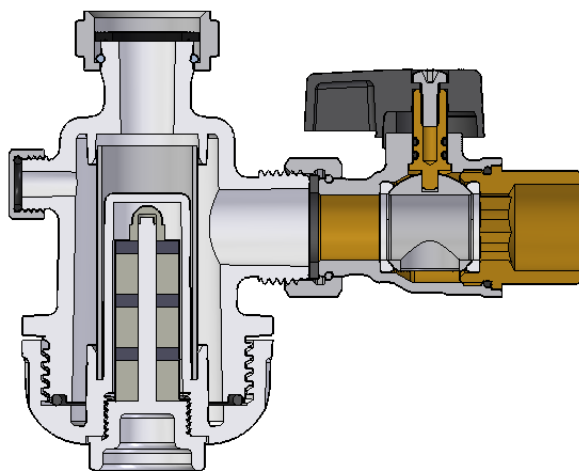
Head losses diagram



Advantages

Pintossi+C compact magnetic filter offers the following advantages:

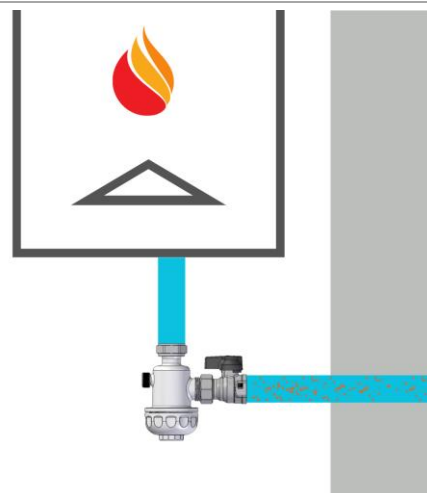
1. An **EXTREMELY COMPACT DIMENSION** to be installed even in small spaces;
2. Body in **HIGH RESISTENCE GRIVORY TECHNOPOLYMER**, for the worst situations;
3. **POWERFUL MAGNET** with **14.100 GAUSS** force and a wide attractive surface;
4. **800 MICRON STAINLESS STEEL FILTERING MESH**;
5. External **MAGNET CARTRIDGE**, for an easy removal during maintenance operations;
6. **MONOBLOCK** Ball valve with swivel nut PN30;
7. **SWIVELING FITTING** for an easy installation on boiler side;



Installation

It is recommended to install the magnetic dirt separator on the return circuit, before the fluid enter the boiler.

The filter has two G $\frac{3}{4}$ " thread which allow the filter to be easily installed thanks to the swivel nuts.

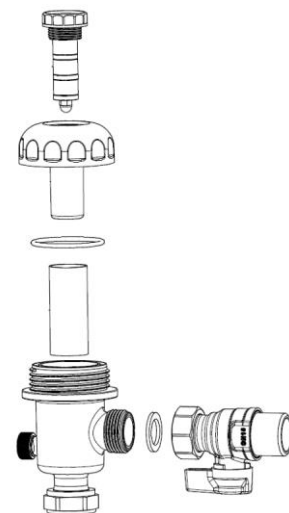


Maintenance

It is important to carry out periodic cleaning operations of the filter

It is recommended to remove impurities at least once a year and after one month during the first installation.

1. Before cleaning the filter, make sure that the boiler is switched off and the fluid is cool.
2. Close the ball valve.
3. Remove the magnet from the magnet cap.
4. Unscrew the magnet plug and drain the fluid.
5. Remove the filtering net and wash it under running water to remove any impurities still retained.
6. Before reassembling the filter, check the condition of the o-ring, if necessary, replace it with a new one.



Warnings

- The magnetic filter must be installed by a qualified technician.
- Before installation or maintenance, check that the circuit is insulated.
- Install the filter on the return circuit, at the inlet of the boiler.
- Make sure there is adequate access in case of maintenance or repair.
- Make sure the system is properly installed before proceeding with the installation of the filter.
- In case of pressure >5 bar it will be necessary to install a pressure reducer upstream of the filter.
- In the event of water hammering, an expansion tank or shock absorber must be installed downstream of the filter.
- Use only original parts.

The manufacturer is not responsible for any damage to persons, animals and property in the event of improper use, not in accordance with the instructions for use or tampering with the filter and is exempt from all liability in the specific cases contemplated as follows:

- Partial or total disrespect of installation and maintenance instructions.
- Unsuitable operating temperature.
- Pressure surges or water hammers.
- Unauthorized modifications or interventions.
- Use of non-original parts.
- Negligence in ordinary and extraordinary maintenance.

Fluid characteristics

Reference standard for water treatments in heating systems is Norm UNI 8065:2019 which regulates the parameters that must be observed to avoid scale and corrosion phenomena.

In order to grant product warranty, the fluid characteristics must comply with the rules in force in the country of relevance or at least present features not less to the ones prescribed by the Norm UNI 8065:2019. In particular, minimum standards necessary but not sufficient to control are the following:

Fluid aspect: Limpid

PH: Between 7 and 8

Iron (FE): < 0,5 mg/kg (< 0,1 mg/kg for steam)

Copper (CU): < 0,1 mg/kg (< 0,05 mg/kg for steam)

Antifreeze: Passivated Propylene Glycol

Conditioning: as indicated by the producer

In any case when using antifreeze and conditioning solutions, is required to control and verify the correct compatibility between these substances and the construction materials stated in Pintossi+C technical datasheet.