

COMPACT magnetic dirt separator

Art. 9085



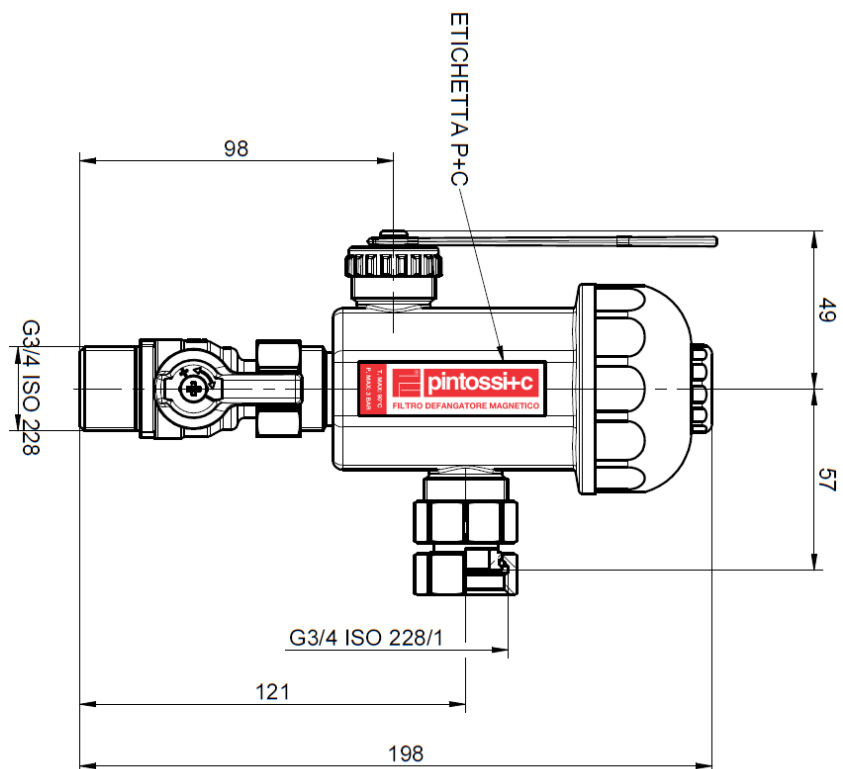
100% MADE IN ITALY 

Function Pintossi+C compact 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 the remarkable versatility of installation, it can be either with the body horizontally or vertically, making it easily adaptable even in small spaces.

Technical characteristics	Fluids:	Water or glycol solutions
	Max. glycole:	30%
	Max. working temp.:	90°C
	Max. working pressure:	6 bar
	Magnet:	14.100 Gauss
	Filtration rate:	800 micron
	Kv [m ³ /h]	5,65

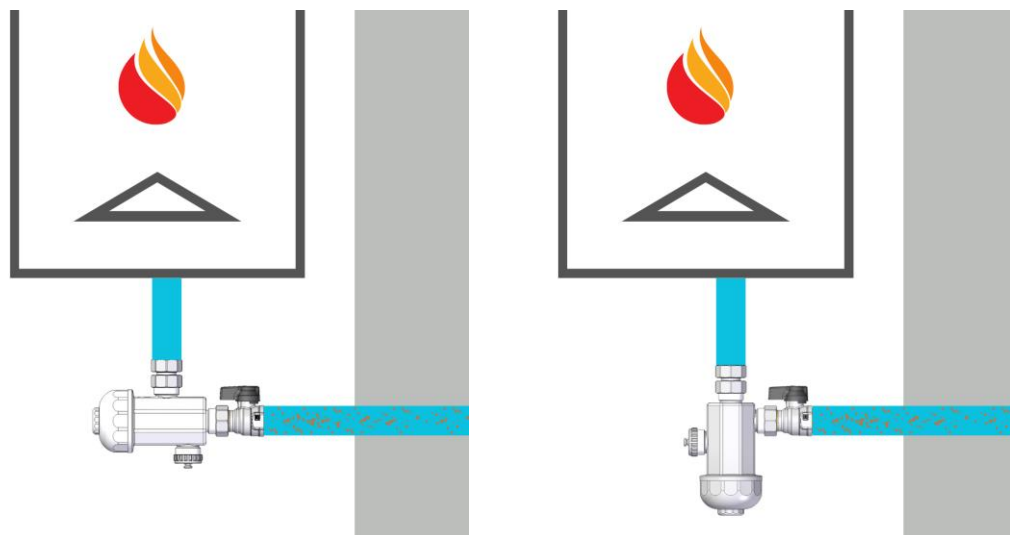
Materials	Body:	GRIVORY Technopolymer
	Cap:	GRIVORY Technopolymer
	Filtering net:	Stainless Steel
	Ball valve:	Brass
	O-ring:	Silicone
	Magnet:	NdFeB

Dimensions

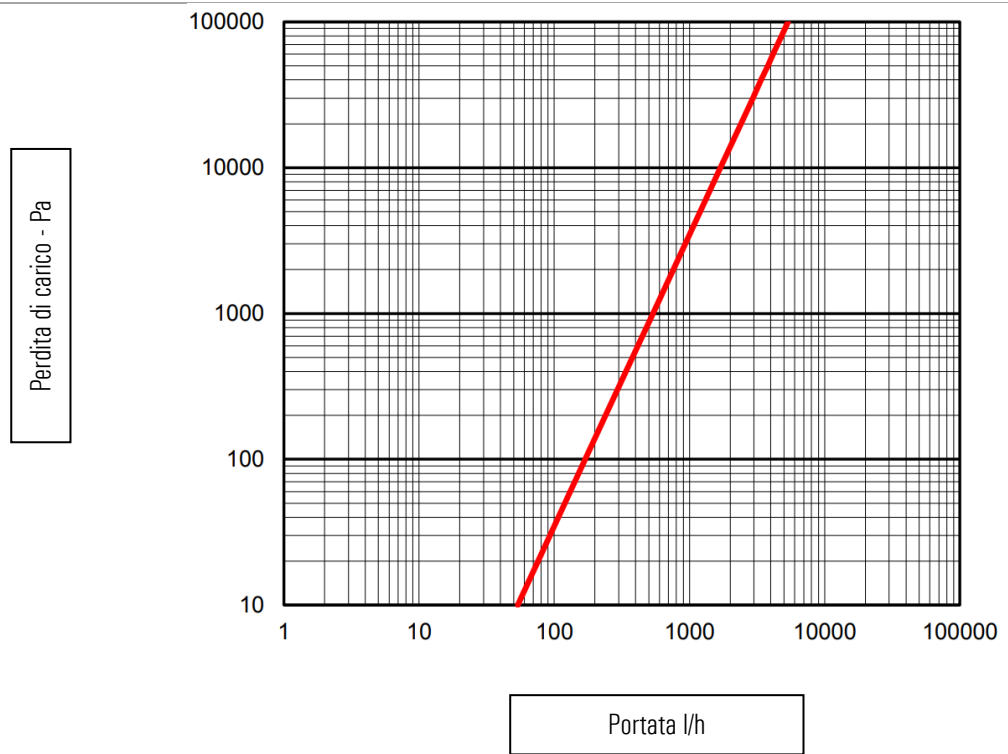


Installation

It is recommended to install the filter on the return circuit, before the fluid enter the boiler. The filter has three G $\frac{3}{4}$ " threaded holes which allow the filter to be installed both in vertical or horizontal position, depending on the installation space available under the boiler.



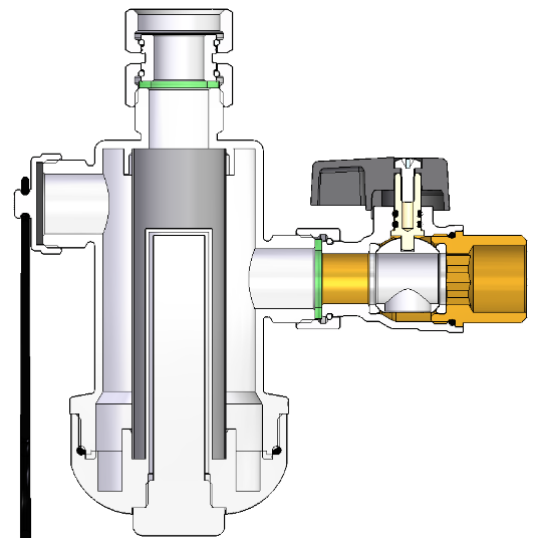
Head loss diagram



Connessione	KV versione angolo
3/4"	5,65 m ³ /h

Advantages Il Pintossi + C compact magnetic filter offers the following advantages:

1. A **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. **WIDE SETTLING CHAMBER**;
7. **MONOBLOCK** Ball valve with swivel nut PN30;
8. **DOUBLE SWIVELING FITTING** for an easy installation on boiler side;
9. **VERTICAL** and **HORIZONTAL** installation position



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. If the filter is installed in horizontal position unscrew the drain plug and drain the water; if the filter is installed in vertical position directly unscrew the magnet plug.
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 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.
- Improper use of the filter.
- 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.