



HEATING

MAGNETIC BOILER FILTER (DIRT SEPARATOR)



The magnetic filter is used for removing the harmful pollutants from the water in the central heating systems, especially sand and oxide particles. Well-nigh of the iron oxide stored during the warm-up is removed for it.

It helps to protect the water pump, valves, and pipes of the heating system.

The special design of the filter unit enables to install the filter in horizontal or vertical position.

Furthermore, it blocks the heat exchangers, heaters, and pipes, which results as a separator of the bottom system.

It allows an excellent filtration and deposition of impurities in the filter tank. The removal of impurities can take place during the normal functioning of the installation.

Technical specifications

SPECIFICATIONS	
Maximum entrance pressure	4 bar
Flow	87 l/min
Temperature range	0 - 90 °C
Installation	Vertical and horizontal
Body	Polyamide PA66 with fiberglass
Fittings	Brass UNE-EN 12165-12164
Filtering mesh	AISI 304
Neodymium magnet	9000 G
Connection	$\frac{3}{4}$ " $\frac{3}{4}$ " $\frac{3}{4}$ "
Joints	EPDM

Components



1. Body
2. Coverage of brass and magnetic fitting
3. Fixed key
4. Filtering mesh
5. Neodymium magnet
- 6, 7 y 8. O rings
9. Vent blocking end
10. Tread
11. Nut
12. Union
13. Ball valve – System connection

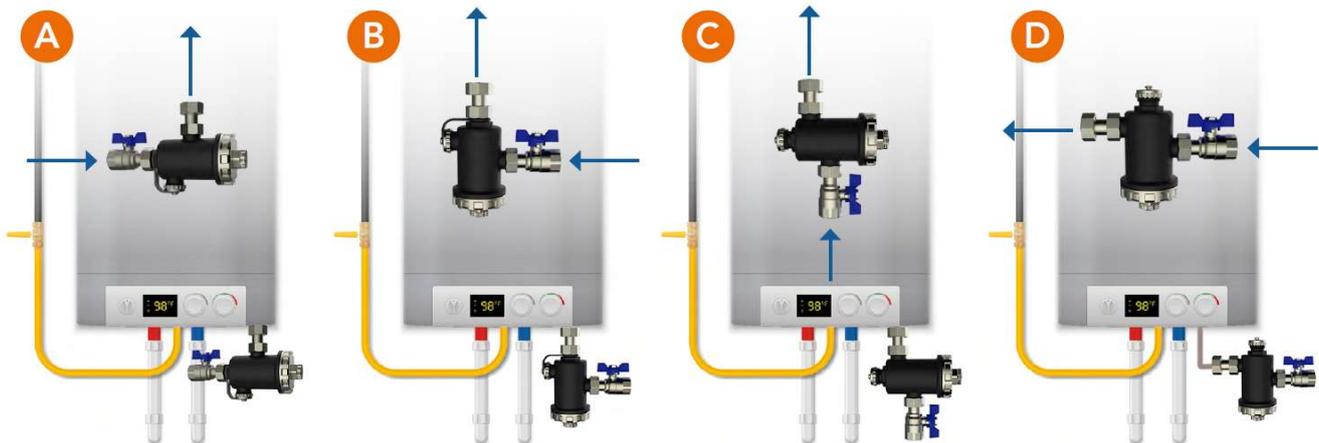


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Assembly recommendations

The magnetic filter must be installed under the boiler in the return of the water. Select a correct configuration of the magnetic filter, the configurations A and B are the more recommended. The connections are of 3/4".



IMPORTANT: Before checking, cleaning or do the maintenance of the unit, turn-off the boiler, close the ball valves to close the circuit and wait for the colling of all the components before separating the polluters.

Installation method

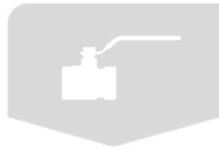
The magnetic filter can be installed in horizontal or vertical position thanks to the special design of the T-shaped body. The separator of the polluters allows an excellent filtration. The maintenance and cleanliness of the filter can take place during the normal functioning of the system.

The device must be installed in the return line of the boiler.

The first cleanliness must be done one month after the installation. The following cleansings can take place twice in a year when the heater system is turned off. The cleaning methods must be adapted to the specifications of the system.

Inspection, cleaning and maintenance method

1. Turn off the boiler, close all the valves of the system.
2. Wait for the water to cool down.
3. Pull out the magnet of the magnetic filter. Clean the magnet removing all the polluters and magnet remains that have fallen in the filter container.
4. Open the drainage valve turning the laver.
5. Wait a few seconds, then open slightly the shut-off valve to let flow of water circulation to eliminate the obstructions.
6. Close again the shut-off valve.
7. Let the flow of water circulation and clean the filter to remove the left polluters.
8. Before proceeding with the reassembly of the system, lubricate the O rings with silicone grass.
9. Install the magnetic filter after having washed it.
10. Introduce the magnetic bar in the keyhole and turn it.



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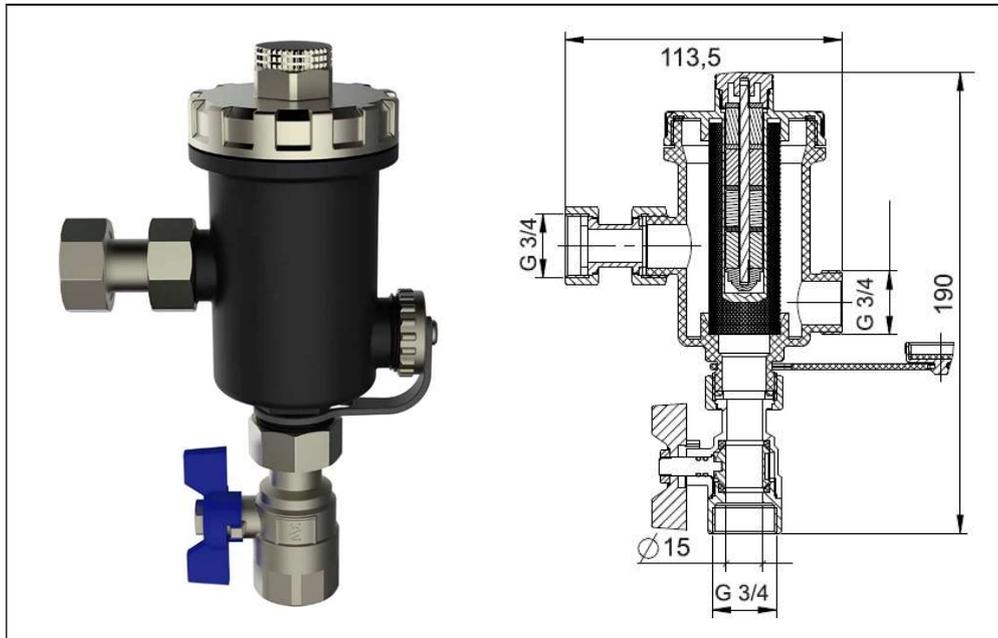
Precautions



WARNING:

1. The magnetic filter contains powerful magnets, it must be set away from all electronic devices, bank cards and other magnetic devices.
2. The magnetic filter contains powerful magnets, and it always must be used with protection if the person who is installing it has a cardiac pacemaker.
3. The magnetic filter is a pressurized device which must be discharged before starting the maintenance.
4. The magnetic filter device could be very warm during the operation, be careful.

Boiler magnetic filter



Code	Connection
38681	3/4"-3/4"-3/4"