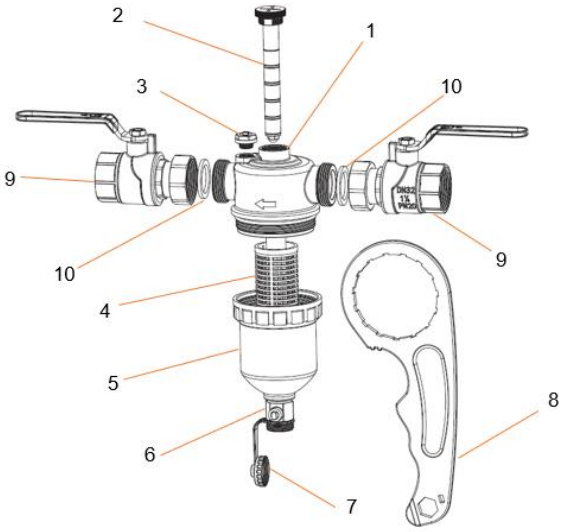
HEATING

MAGNETIC FILTER ONE AND A QUARTER (DIRT SEPARATOR)

The magnetic filer is specially designed for systems of central heating.
Well-nigh of the iron oxide stored during the warm-up is removed for it, to protect the equipment of the system pipes.

TECHNICAL DATA	
Max. input pressure	4 bar
KVS	16 m^3/h
Temperature range	0 - 90ºC
Magnet Force	10 000 G
Connection	1 1/4”
Flow Direction	Following the direction of the arrow
Installation	Both vertical and horizontal pipelines are allowed



1. Tank join
2. Magnetic Bar
3. Purge Valve
4. Fiilter
5. Tank
6. Drain Valve
7. Nut
8. Key
9. Set of valves and joints
10. O-Rings

MATERIALS	
Body	Polyamide of high quality PA66 reinforced with fiberglass
Fittings	Brass UNE-EN 12165-12164
Seal Material	EPDM
Filter Mesh	POM

HEATING

MAGNETIC FILTER ONE AND A QUARTER (DIRT SEPARATOR)

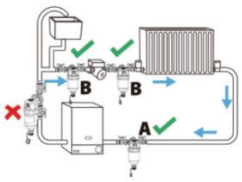
Assembly recommendations

Magnetic filters can be installed in different places, such as: any point of the main pipe. It is recommended to install them after the last heater and before the boiler, to obtain the maximum effect of protection in the boiler.

Warning: It is important to dispose of an appropriate space for the maintenance of the magnetic filter when the placement of installation is chosen.

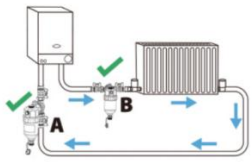
Recommended place for installation

Flash open system



(Figure 1)

Blend/sealing system



(Figure 2)

In the last two figures, the placement A is recommended as the ideal for the installation. The position B is appropriate in case of pipes with tight space.

After that the system has been clean with a cleansing agent, check that has been installed and rinsed in the return line of the system, to achieve the best effect of protection of the boiler.

Installation Method

1. Cut and pull out the part of the pipe in accordance with the length of the product installation.
2. Wrap the seal material around the thread of the joint.
3. Tight the valve of the pipe.
4. Install the connection of the body and tight it.
5. Fit the angle and fix the filter.
6. Check that the valve is open after the water has passed through, open the out-air ventilation, and then close it.

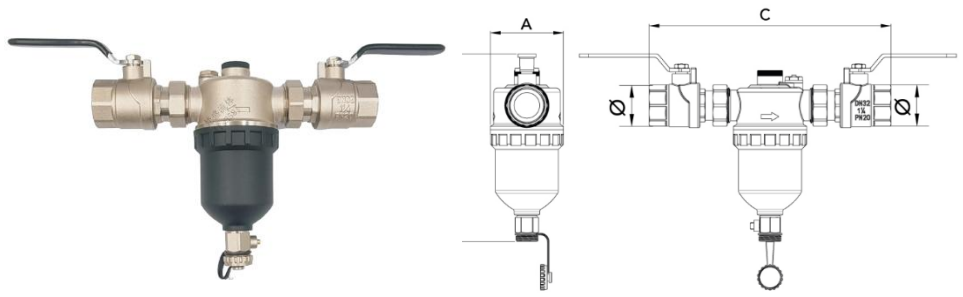
Maintenance

1. Turn off the boiler, close the filter valves and the boiler supply valve.
2. Place a container under the filter, we are waiting for the water to cool down.
3. Unscrew the magnet and remove it from the filter socket. (Removing the magnet allows any dirt and magnetic deposits that fall into the filter housing).
4. Then we open the drain valve by turning its lever.
5. Wait a few seconds, then slightly open the shut-off valve to allow flow washing water and rinsing off impurities.
6. Then close the shut-off valve again.
7. Thoroughly wash the filter, remove sediments and deposits.
8. Lubricate the o-rings with silicone grease before reassembly.
9. After cleaning, assemble the filter.
10. Place the magnetic insert in the socket and screw it on. We open the valves again.

HEATING

MAGNETIC FILTER ONE AND A QUARTER (DIRT SEPARATOR)

Magnetic Filter



Code	Ø	A	B	C
38691	1 1/4"	86	220	284

Safety Warnings

- The magnetic filter contains powerful magnets; keep away from all electronic devices, bank cards, and other magnetic devices.
- The magnetic filter contains powerful magnets and should always be used with caution if the people installing it have pacemakers.
- The magnetic filter is a pressurized device that must be depressurized before maintenance.
- The magnetic filter device may become very hot during operation, so please exercise caution.
- Before installation or maintenance, ensure that the system is turned off, cool, and depressurized.
- Individuals with pacemakers should not handle this filter.
- Verify the flow direction marked on the filter body before installation.
- Before using or installing the filter, read and follow all instructions and warnings included in the manufacturer's manual.

** To maintain continuity of grounding in accordance with current IEE regulations, appropriate grounding wires must be installed in the piping where necessary to divert the product.*