

MAGNETIC SLUDGE FILTER MV

Effective in protecting your
heating system and boiler



MADE IN ITALY



NEW

Patent pending product.

MV Group's magnetic sludge filter is the only one on the market to have a mobile cover.

MAGNETIC SLUDGE FILTER MV

Introduction

Magnetic sludge filter by MV Group is the perfect solution to **protect heating systems and boilers**. It provides constant filtering thanks to the combined effect of the cartridge with a stainless steel mesh and powerful neodymium magnets.

The contaminants present in the systems can damage pumps, valves and heat exchangers: this product is able to remove **metallic and non-metallic particles**, especially rust and sand, keeping even the most delicate components in an excellent state.

Thanks to a careful design study, this filter is characterized by an **extreme installation versatility**: its **compact size** makes it perfect to install under the boiler, in confined spaces with low heights. Its **maintenance is simple and fast**, as well as practical.

The stainless steel cartridge supplied guarantees a very low-pressure drop without diminishing its filtering power. On the inside of the **magnetic cover**, there are **five neodymium magnets**: these create a powerful magnetic field with a strong gravitational pull.

Inside the MV magnetic sludge filter, the liquid flows through the cartridge and it never comes into direct contact with the magnets. The impurities are trapped inside the bowl thanks to the **double effect** of **mechanical filtration** (exerted by the cartridge) and **magnetic field** (exerted by the magnets).

Simplicity is the strong asset of this product and its optimal functioning is always guaranteed.



STRENGTHS

- Compact size
- Mobile cover
- Low pressure drop
- Easy to clean, no need to disassemble
- Lengthening of the lifespan
- Ideal protection from corrosion and efficient sludge remover
- Trustworthy installation with high performances



Patent pending product – Made in Italy



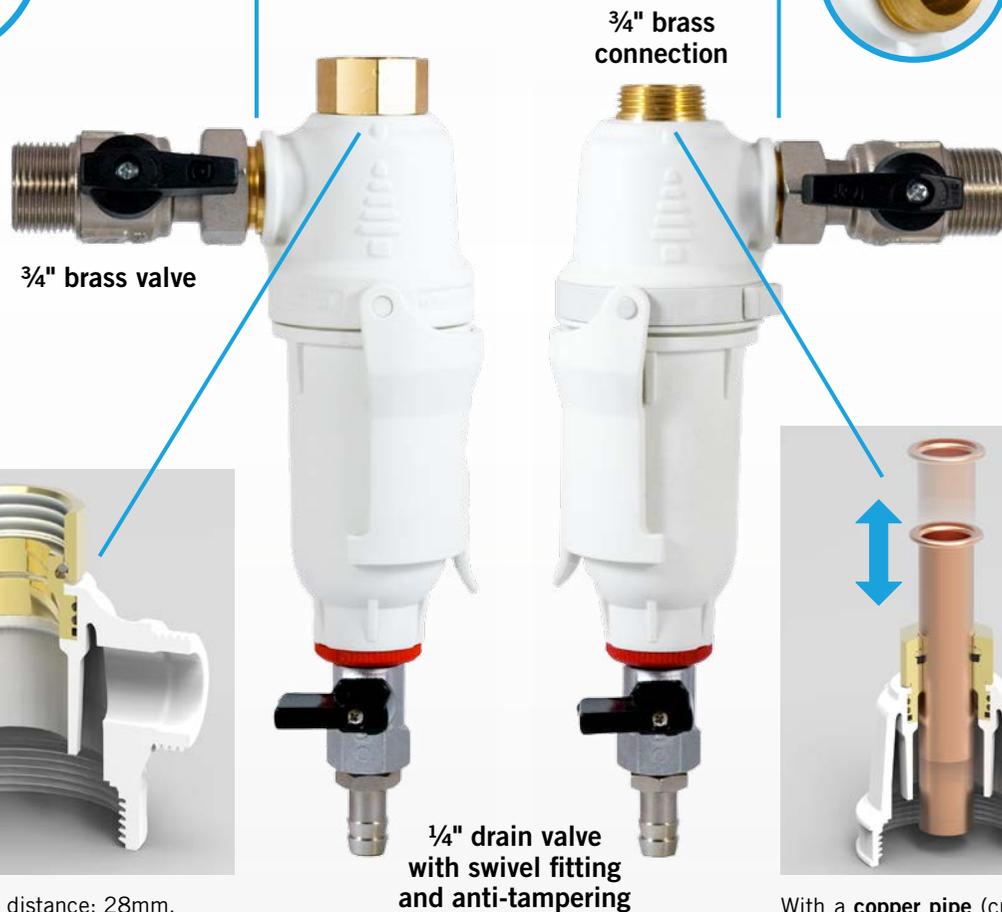
DIMA

DIMA is perfect for all types of boilers with a **fixed mounting distance** of 28mm.

Two models are available: **DIMA PRO** with 3/4" 90° brass connections and **DIMA** with 3/4" 90° connections in brass and 3/4" plastic threaded connection.



Both models are available with a brass head.



3/4" brass valve

3/4" brass connection

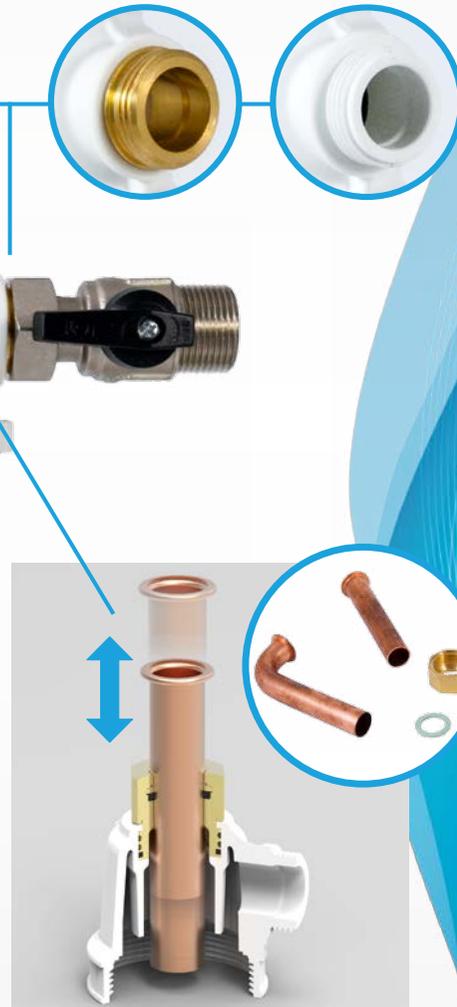
1/4" drain valve with swivel fitting and anti-tampering

Fixed mounting distance: 28mm.

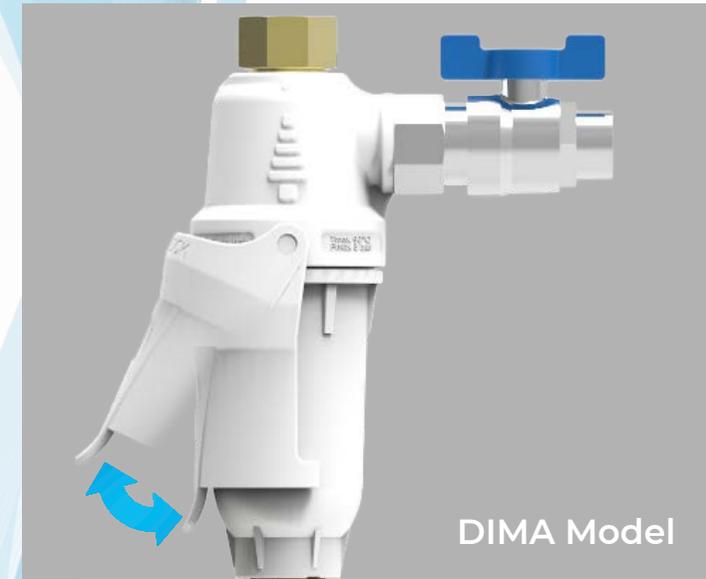
FLEXO

FLEXO is extremely versatile, thanks to its connection with **adjustable mounting distance**: this allows for easy installation under any type of boiler.

Two models are available: **FLEXO PRO** with 3/4" 90° brass connections and **FLEXO** with 3/4" 90° connections in brass and 3/4" plastic threaded connection.

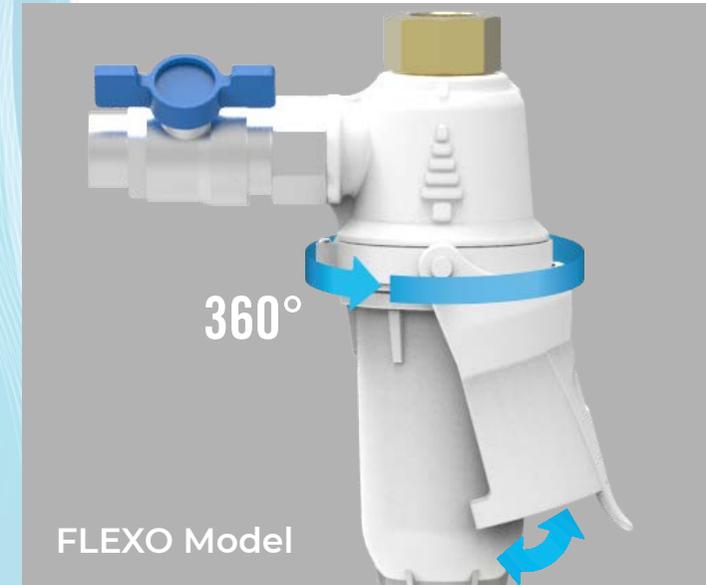


With a **copper pipe** (curved or straight), the height of the filter is easily adjustable, in order to find a mounting distance suitable to all boilers.



DIMA Model

The magnetic cover is **fixed on the head**; by lifting it, it is possible to cancel out the magnetic field and do a swift and effective cleaning of the bowl. It's designed for boilers with a **28 mm moulding distance**.



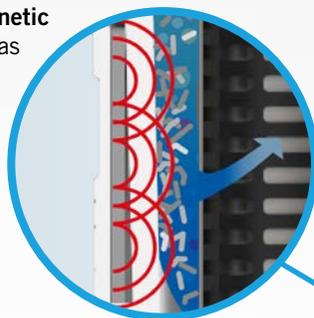
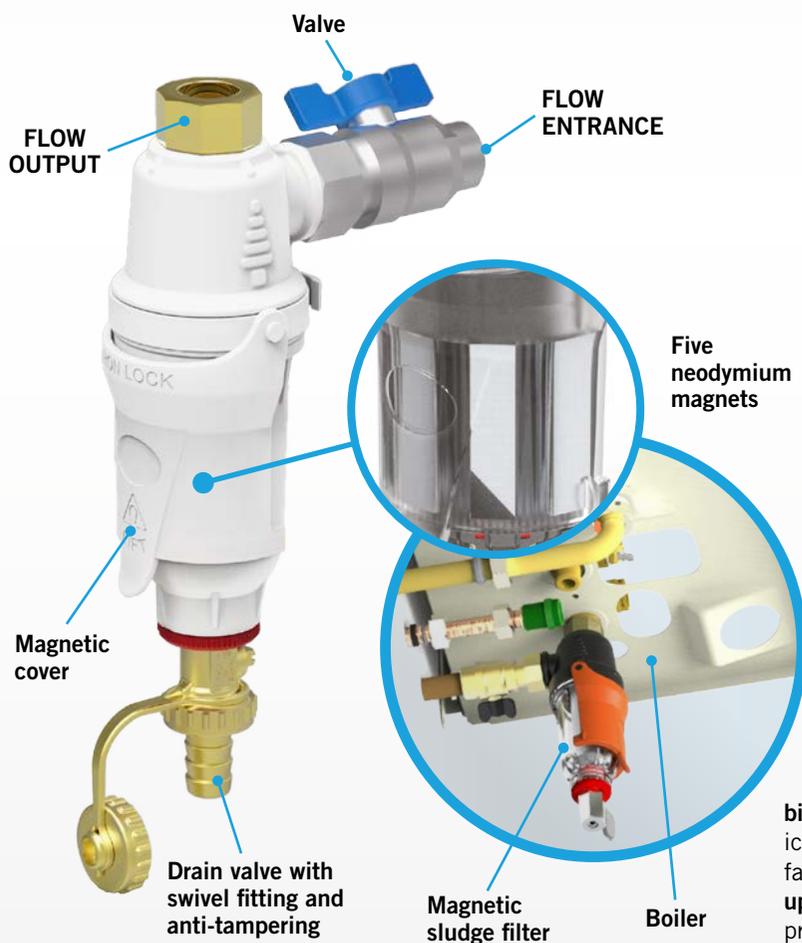
FLEXO Model

This model offers several installation and assembly options. Thanks to a mobile ring, the **magnetic cover can do a 360° rotation** around the bowl: in this way, the filter can be used in confined spaces.

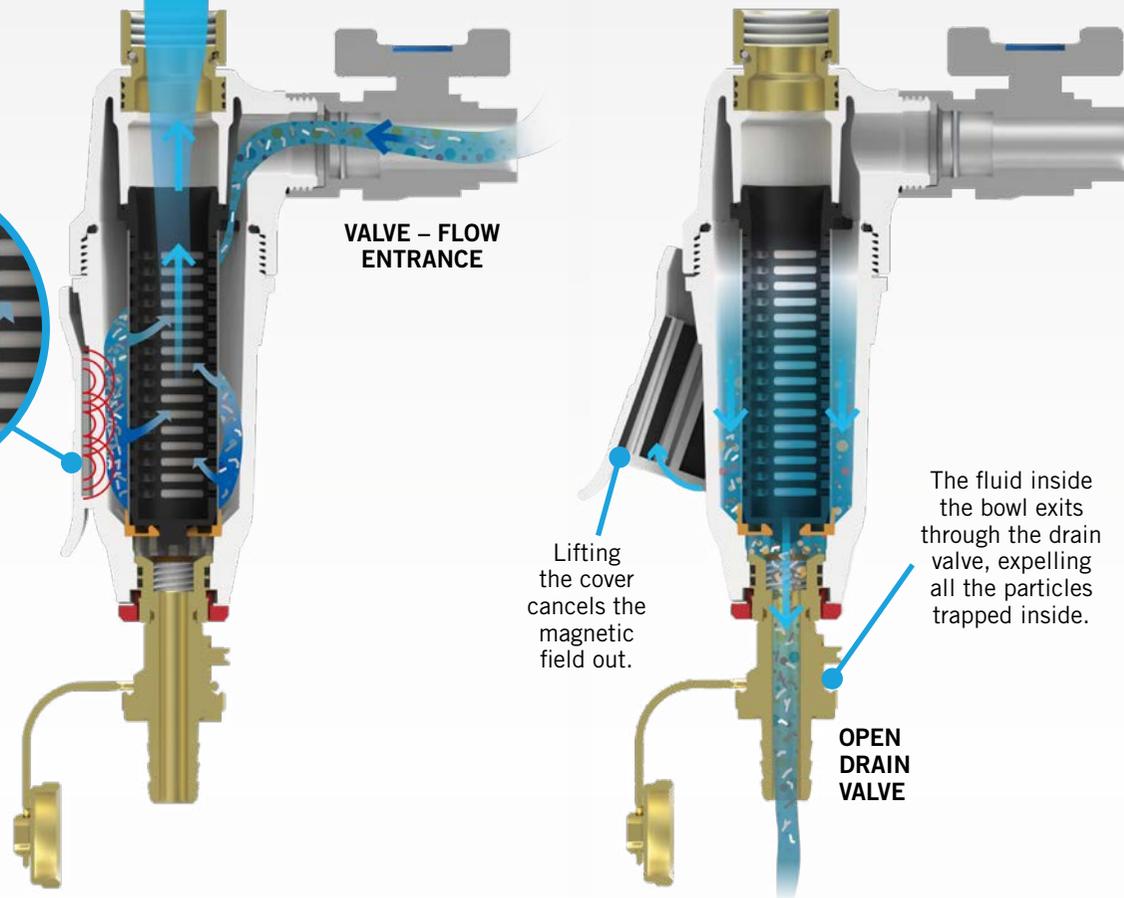
Operation and Flow

Inside the magnetic sludge filter for condensing boilers, the water follows a defined path and it is forced to cross different areas. **Five powerful neodymium magnets** are attached to the inside of the cover, creating a **magnetic field** able to retain all metallic particles; non-metallic ones, such as algae, mud and sand are filtered and retained by the **stainless steel mesh** of the filtering cartridge.

Unlike other products available on the market, there is **no need to disassemble or remove** the filter to clean it: with a few operations the filter functionality is restored and there is no need to stop the heating system. It is sufficient to **lift the cover** to deposit all the ferrous particles to the bottom of the bowl, then to open the drain valve for a **swift and effective cleaning**.



The magnetic field created keeps the metallic particles inside the bowl.



Lifting the cover cancels the magnetic field out.

The fluid inside the bowl exits through the drain valve, expelling all the particles trapped inside.

Features and Assembly

MV Group magnetic sludge filter is designed for **domestic heating systems** and it is perfect to be positioned under the boiler; thanks to its compact size, it can be **placed in confined spaces**, a common situation in most houses. It must be installed on the return circuit feeding after the last radiator. The magnetic cover is fixed on the head; by lifting it, it is possible to cancel out the magnetic field and do a swift and effective cleaning of the bowl.

Head, body and cover of the sludge filter are made of **heat-stabilized reinforced polymer**. This is a material with high mechanical strength and heat resistance, it is resistant to burst and fatigue, as well as stresses and shocks. It sustains **temperatures up to 90°C (194°F)**. This filter has been tested during all the production steps.

HEAD:	REINFORCED HEAT-STABILIZED PA 66 (WHITE) * Head available in brass
BOWL:	REINFORCED HEAT-STABILIZED PA 66 (WHITE)
O-RING:	NBR 70
MAX WORKING PRESSURE:	3 BAR
MAX WORKING TEMPERATURE:	FROM 5°C (41°F) TO 90°C (194°F)
PACKAGE:	STAINLESS STEEL CARTRIDGE, TWO DRAIN VALVES, SPANNER