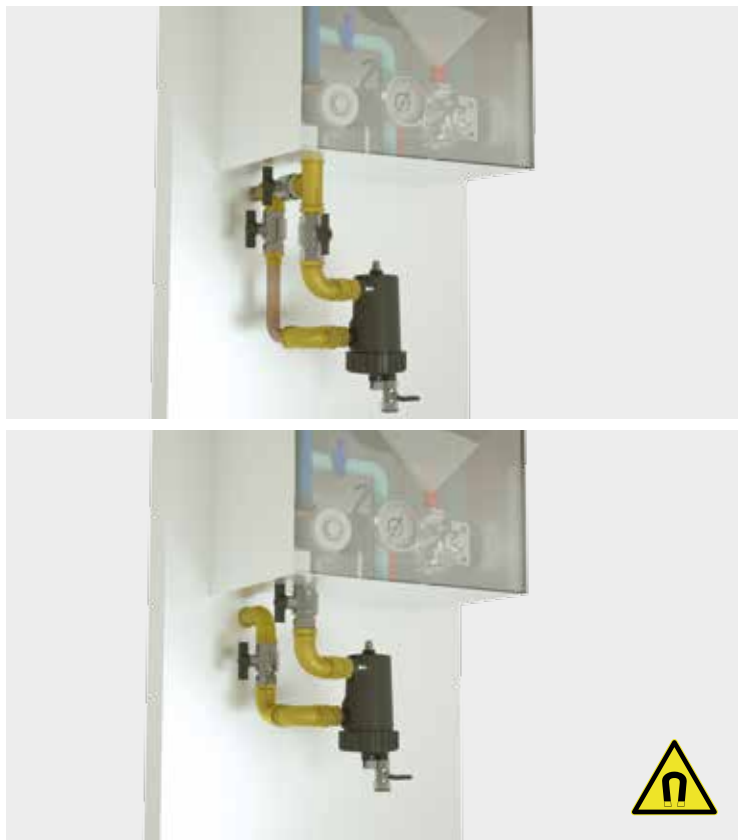


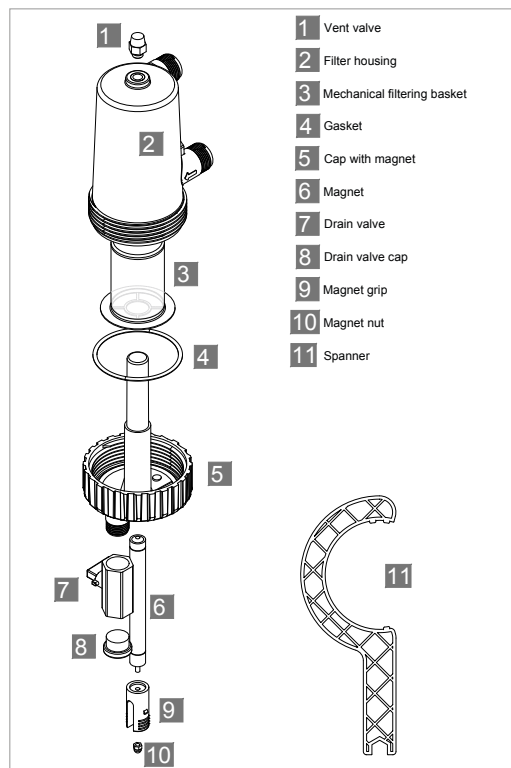
T-MAG[®]

MAGNETIC FILTER
WITH SEMIAUTOMATIC CLEANING

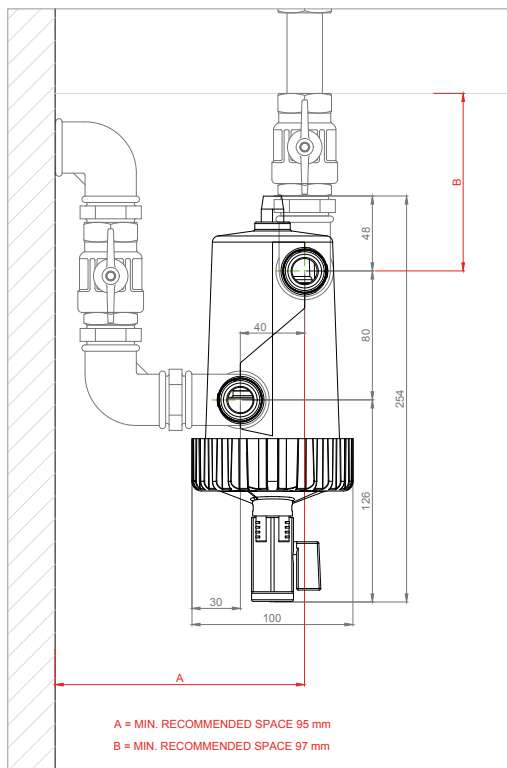


Best protection for condensing boilers, heat pumps,
circulator pumps and plate heat exchangers

EXPLODED DIAGRAM



DIMENSIONS



TECHNICAL SPECIFICATIONS:

- Max temperature: 80°C
- Max pressure: 6 bar
- Inlet and outlet diameter: 3/4"
- Drain valve: 1/2"
- Max flow: 30 l/min
- Fluid capacity: 0,5 Lt
- Magnet features: neodymium magnet 10.000 GAUSS
- Material: PP reinforced with fiberglass
- Stainless steel AISI 304 filtering basket, volume 150 cc (450 micron)

MAGNETIC FILTER FOR HEATING SYSTEM FROM 100 TO 200 LITERS OF WATER (80 - 200 m²)

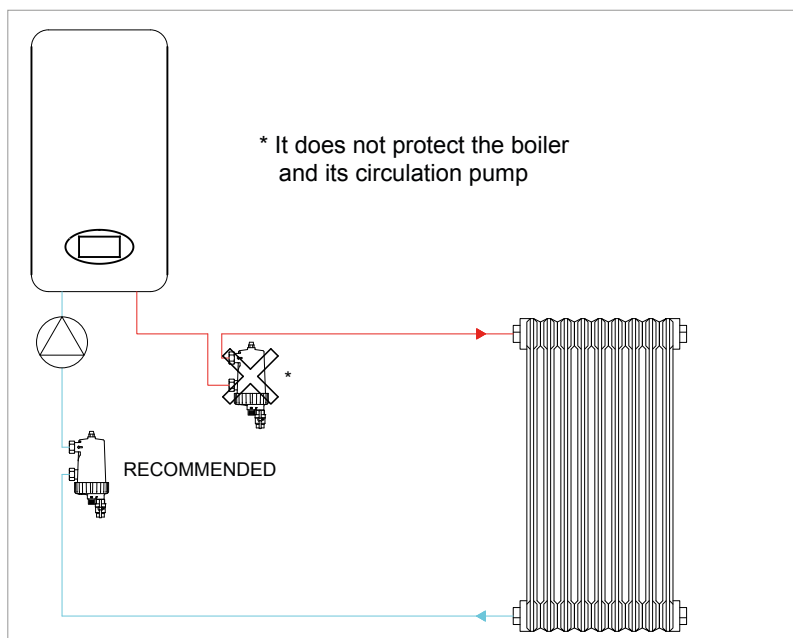
- Maximum operating efficiency to separate metal oxides with magnetic filter **T-MAG** will be obtained by adding the inhibitor **PROTECT 1** to the system, thanks the BUILDCERT approval it guarantees corrosion protection.
- If you want to use the magnetic filter T-MAG to remove metal oxides accumulated over time (cleaning without powerflush and discharge) add the product **CLEAN 1** to the system. It is a dispersing agent for metal oxides which can stay in the system with the inhibitor **PROTECT 1**.
- For underflow heating systems add TOPTHERM **BIOCID** to the system (dosage 0.5 - 1 %).

INSTALLATION OF T-MAG FILTER IN A WALL MOUNTED BOILER (25 - 30 kW)

The **T-MAG** filter can be installed anywhere on the main circuit. However, to achieve the best protection for the boiler, it is recommended that is installed after the last radiator and before the boiler.

IN-LINE INSTALLATION UNDER THE BOILER

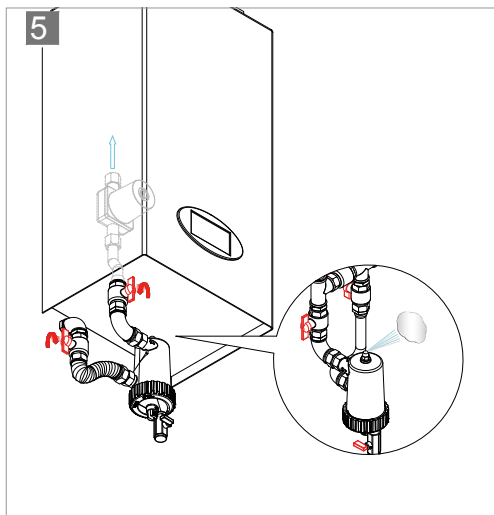
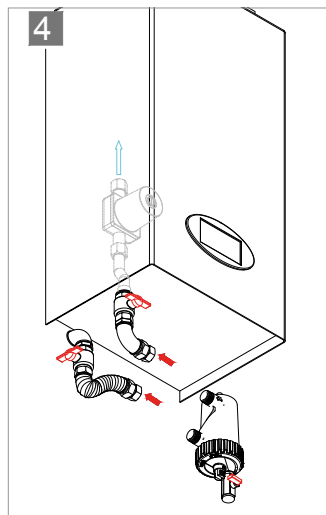
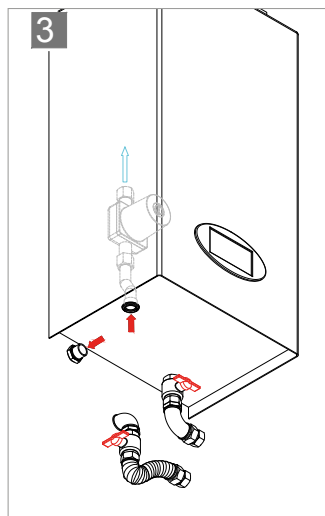
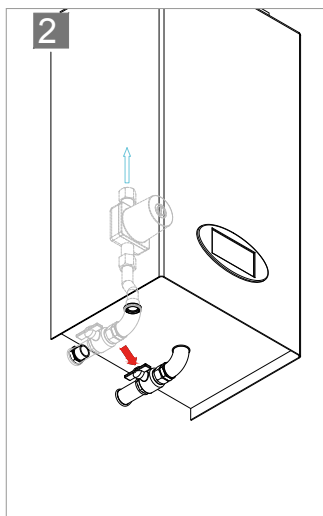
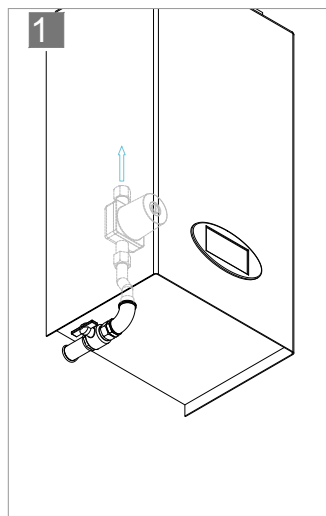
> **T-MAG** must be installed with inlet and outlet valves.



INSTALLATION

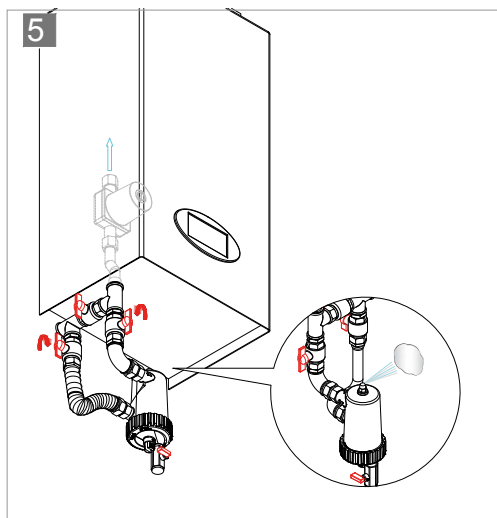
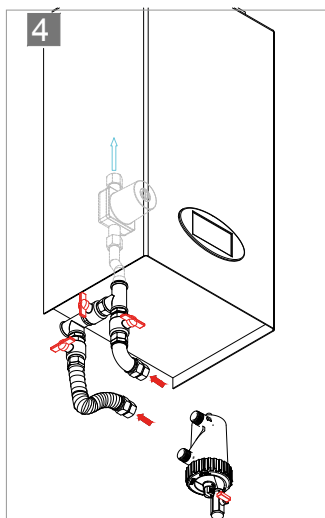
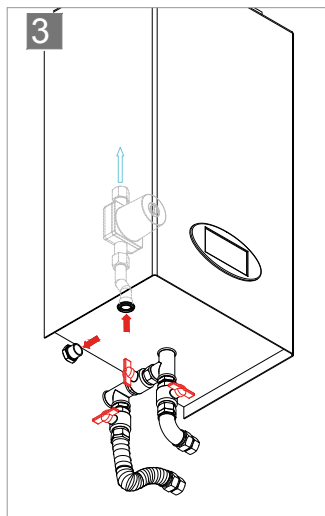
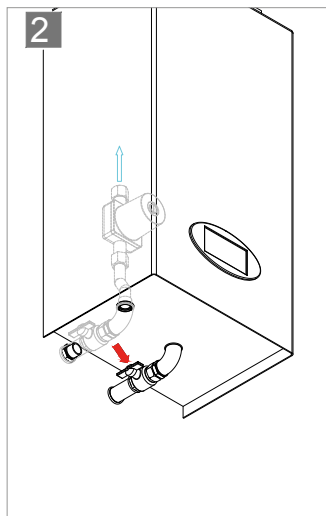
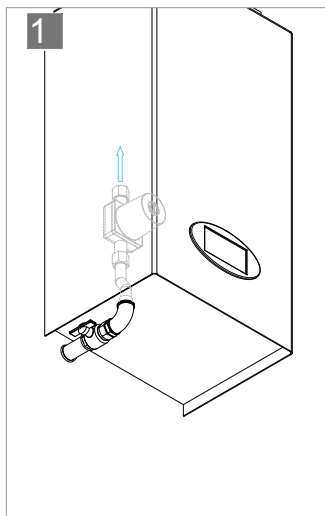
INSTALLATION WITHOUT BY-PASS:

> T-MAG filter must be installed with inlet and outlet valves.



INSTALLATION WITH BY-PASS:

- > This type of installation is recommended to clean the system without powerflush and discharge it by using TOPTHERM CLEAN 1 and PROTECT 1. T-MAG must be installed with inlet and outlet valves.



HOW TO CLEAN THE T-MAG FILTER

HOW TO CLEAN THE T-MAG FILTER

The T-MAG frequency of cleaning will be depending on the dirt quantity in the system.

From a few days basis for one month immediately after installation. One time each week for the next 40 days, thereafter one time each 2 weeks for the next 3 months and then each 6 months. In case of necessity, clean the filtering basket each 6 months.

RAPID CLEANING

1. Switch off the boiler
2. Close the T-MAG inlet valve
3. Remove the magnet
4. Put a container under the filter and open the T-MAG drain valve
5. Open the cold water inlet valve

6. Keep the drain valve open until the water is clean

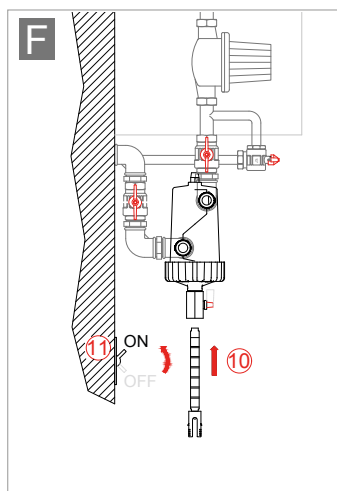
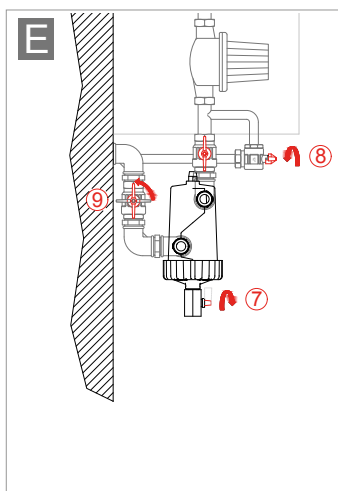
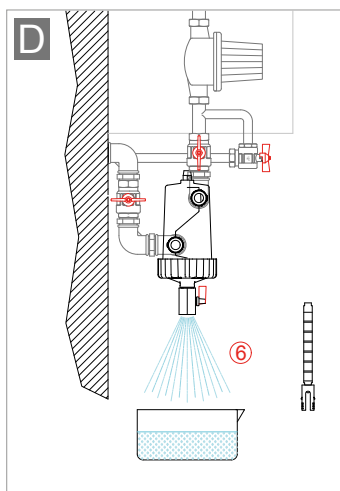
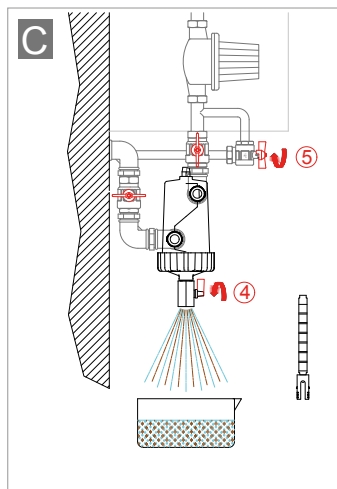
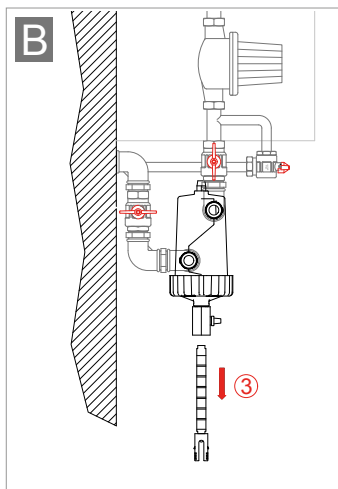
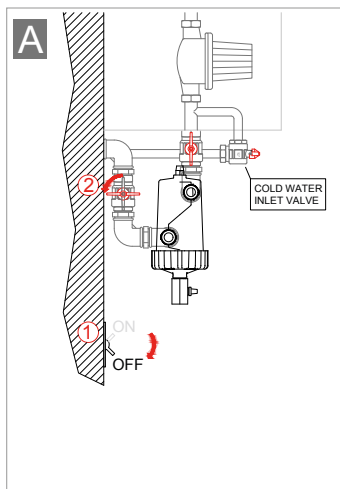
7. Close the T-MAG drain valve

8. Close the cold water inlet valve

9. Open the T-MAG inlet valve

10. Insert the magnet

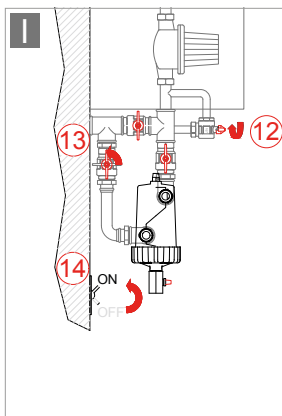
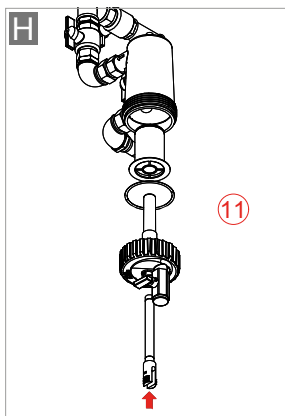
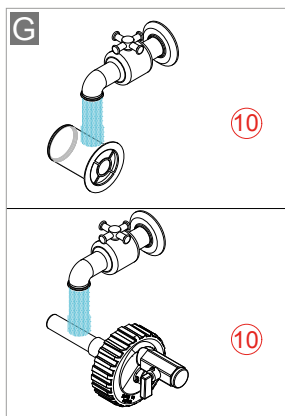
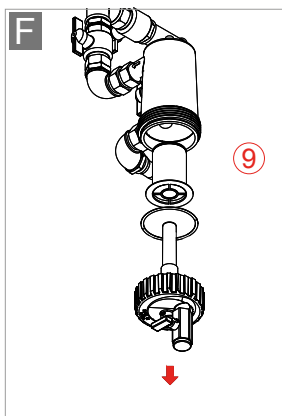
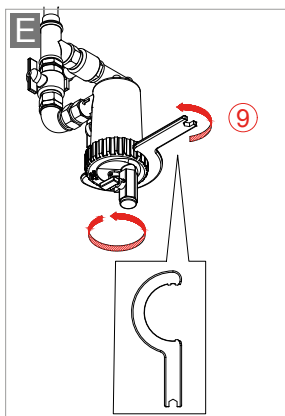
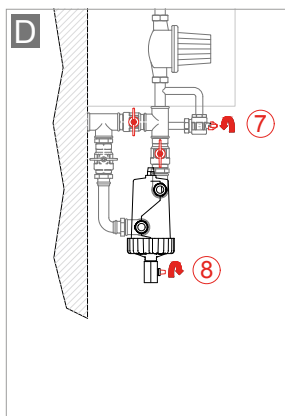
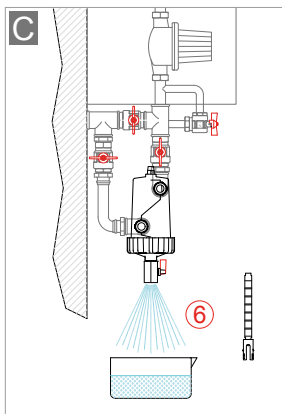
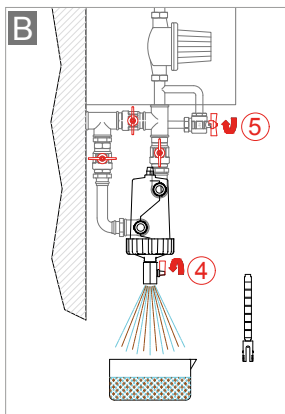
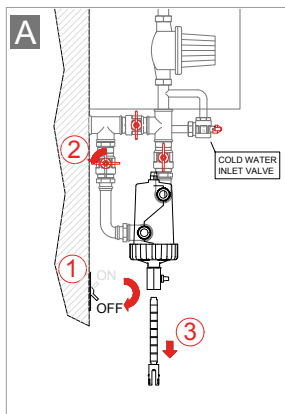
11. Switch on the boiler



TOTAL CLEANING

1. Switch off the boiler
2. Close the T-MAG inlet valve
3. Remove the magnet
4. Put a container under the filter and open the T-MAG drain valve
5. Open the cold water inlet valve
6. Keep the drain valve open until the water is clean
7. Close the cold water inlet valve

8. Close the T-MAG drain valve when the water inside the filter is finish
9. Unscrew the filter ferrule
10. Clean with water the filter ferrule and the filtering basket
11. Assemble again the filter
12. Open the T-MAG inlet valve and the cold water inlet valve to pressurize the system
13. Switch on the boiler



INSTALLATION OF T-MAG FILTER IN A FLOOR STANDING BOILER (FROM 35 TO 100 kW)

Furthermore **T-MAG** filter can be installed both in parallel or in-line (see drawing below) in a system with up to 800-1.000 liters of water. In case of installation in parallel, the T-MAG inlet flow rate must not be 10% higher than the circulation flow rate of the system.

INSTALLATION IN PARALLEL

