

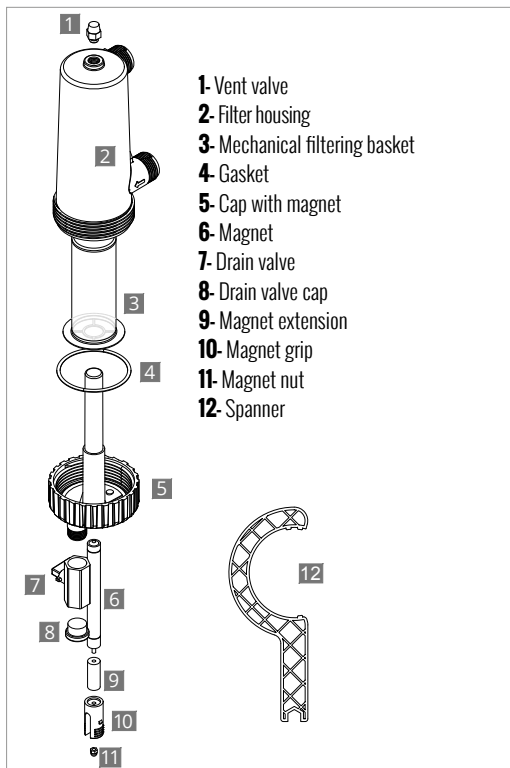


MAGNETIC FILTER
WITH SEMIAUTOMATIC CLEANING

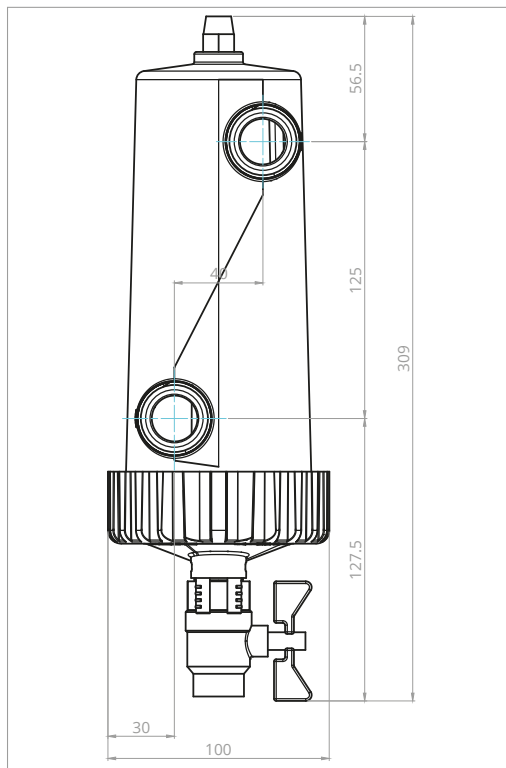


**BEST PROTECTION FOR CONDENSING BOILERS,
HEAT PUMPS, CIRCULATOR PUMPS
AND PLATE HEAT EXCHANGERS**

EXPLODED DIAGRAM



DIMENSIONS



TECHNICAL SPECIFICATIONS:

- **Maximum temperature:** 80°C
- **Maximum pressure:** 6 bar
- **Filter body with 1" connections**
- **Drain valve of 1/2"**
- **Maximum flow rate:** 60 l/minute
- **Volume:** 0.73 l
- **Powered Neodymium magnet of 10.000 GAUSS**
- **Filter material:** PP reinforced with fibreglass
- **Filtering basket** of 220 cc with 450 stainless steel AISI 304 micron mesh

MAGNETIC FILTER FOR HEATING SYSTEM OF 400 LITERS of water (300 - 400 m²)

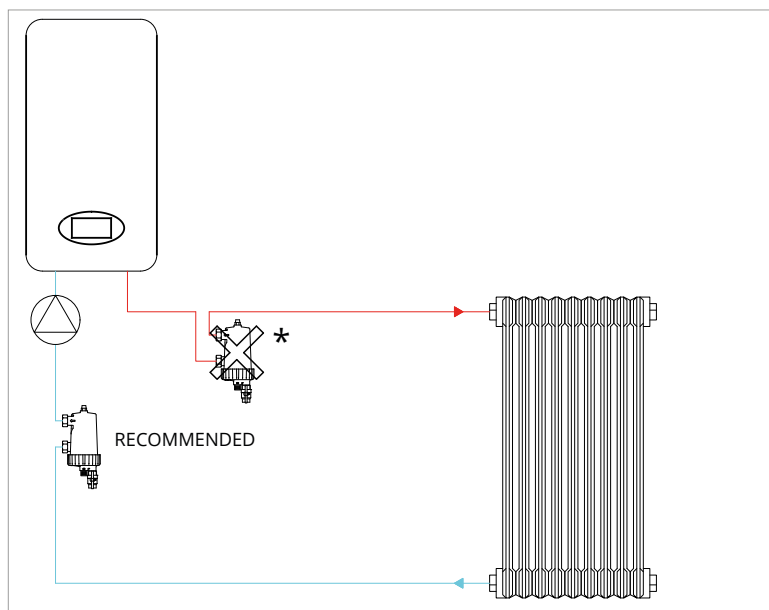
- **T-MAG XL** magnetic filter maximum efficacy as main agent in iron oxides separation is performed by adding to the system the inhibitor **PROTECT 1**, by **BUILD CERT** certified, which guarantees the system best protection against corrosion.
- If you want to clean the system without powerflushing or draining it, add to the system the product **CLEAN 1**, a non-corrosive dispersing agent for metal oxides, which may be left in the system with the inhibitor **PROTECT 1**.
- For low temperature systems (underfloor heating systems), it is recommended to add to the system the anti-bacterial **BIOCID** (dosage 0,5-1%).

INSTALLATION OF T-MAG XL FILTER IN A WALL MOUNTED BOILER

T-MAG XL magnetic filter can be installed anywhere on the main circuit. However, to achieve the best level of protection for the boiler, it is recommended to install the filter on the return pipe of the system (after the last radiator on the system and before the boiler).

IN LINE INSTALLATION UNDER THE BOILER

› **T-MAG XL** should be installed with inlet and outlet valves.

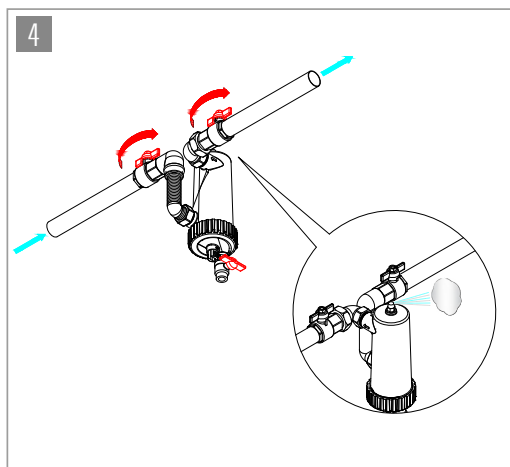
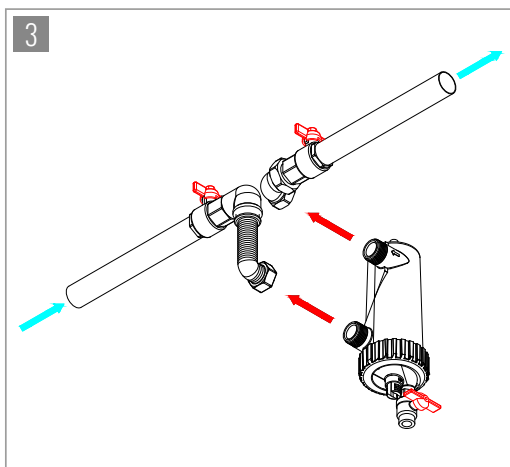
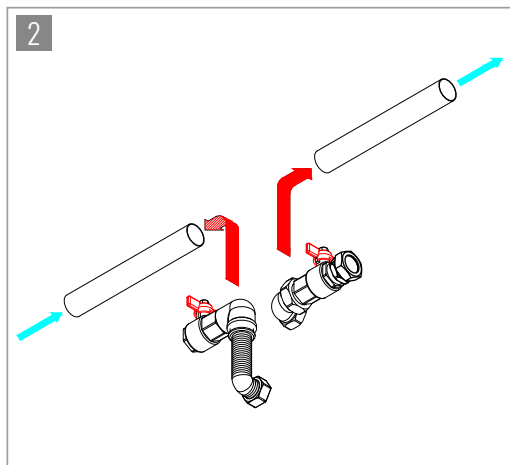
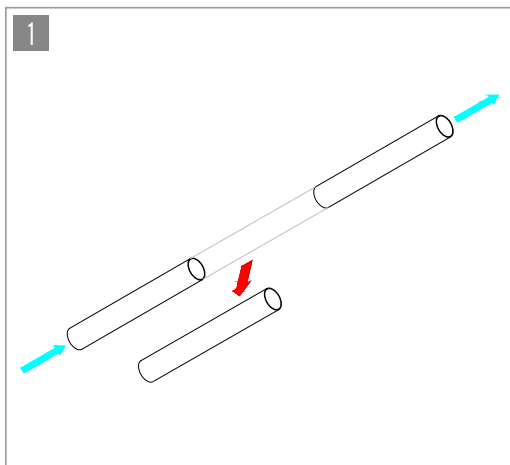


*T-MAG XL in this position installed does not protect the boiler and its circulation pump.

INSTALLATION

INSTALLATION:

> T-MAG XL should be installed with inlet and outlet valves.



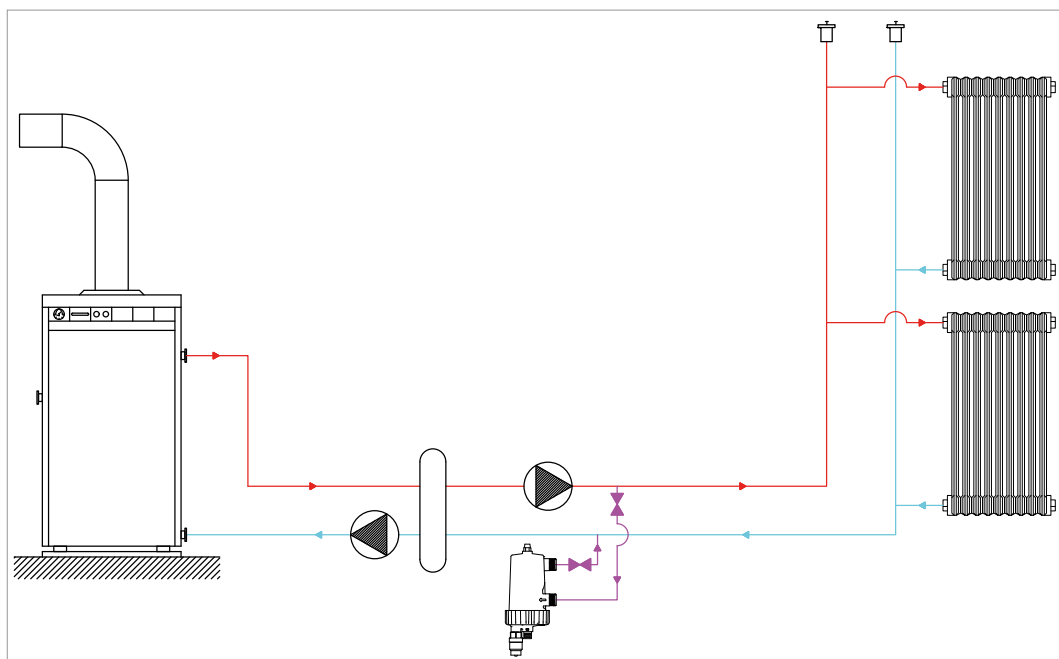
T-MAG XL INSTALLATION in a floor-standing boiler (from 35 up to 100 kW)

T-MAG XL can be **installed in parallel or in line in systems** with 800 -1.000 litres of water (see drawing below).

In case of **installation in parallel**, T-MAG XL Magnetic Filter inlet flow rate must not be 10% higher than the circulation flow rate of the system.

EXAMPLE OF T-MAG XL IN PARALLEL INSTALLED:

> Partial spilling



HOW TO CLEAN THE T-MAG XL FILTER

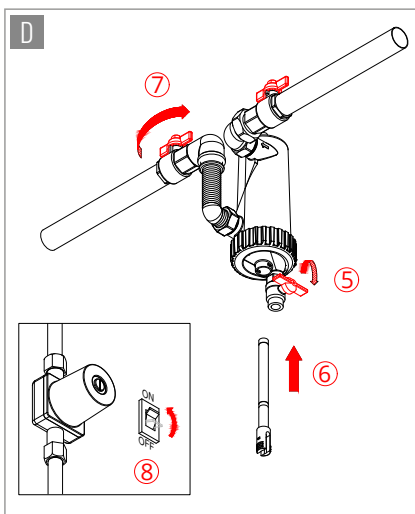
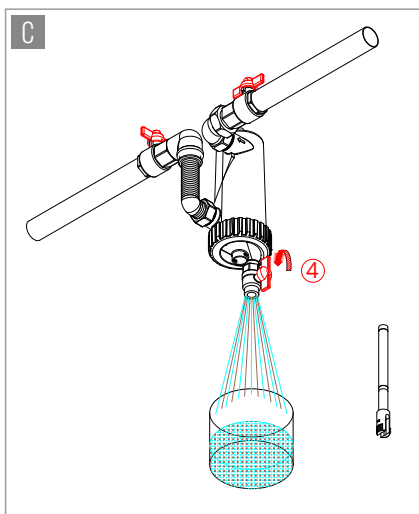
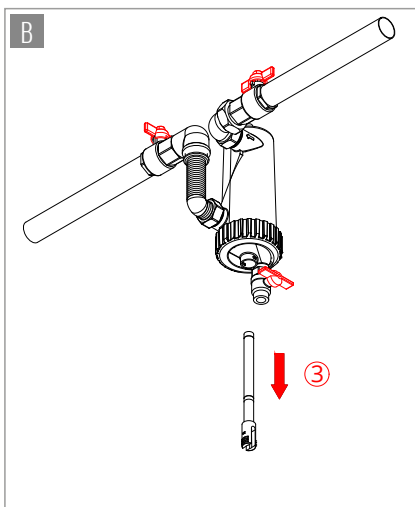
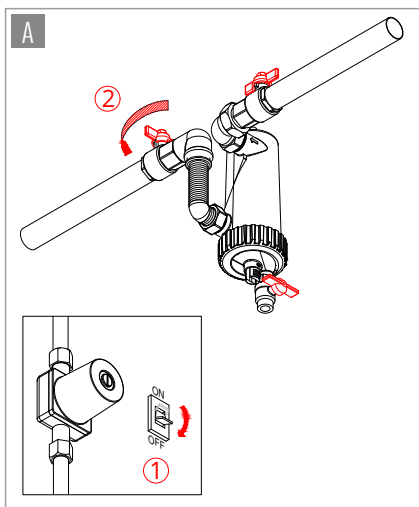
HOW TO CLEAN THE T-MAG XL FILTER

After its installation and the inhibitor **PROTECT 1** introduction, **T-MAG XL** should be cleaned periodically. Its cleaning frequency should be run according to the dirt quantity of the system. Clean also its filtering basket at least every six months.

RAPID CLEANING

1. Switch off the boiler
2. Close T-MAG XL filter inlet valve
3. Remove the magnet from the bottom
4. Put a container under T-MAG XL filter, open its drain valve, and open the boiler filling valve. Keep open the drain valve and

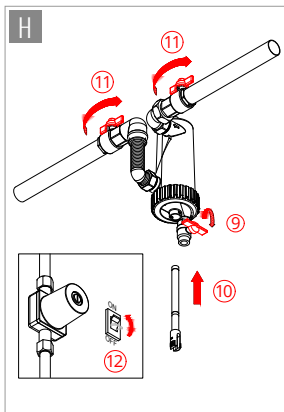
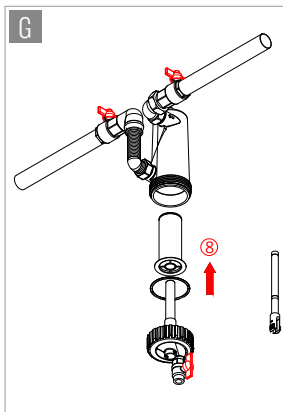
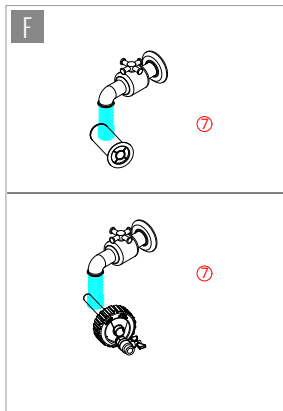
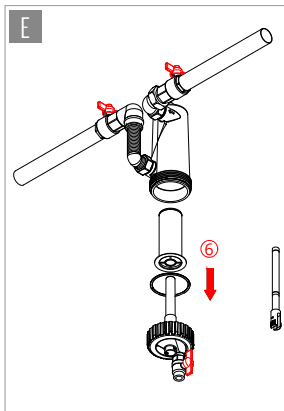
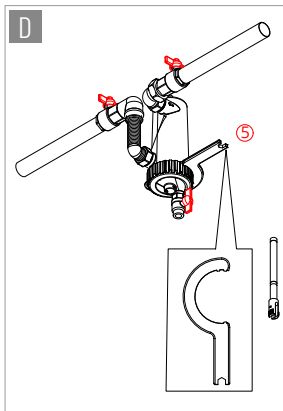
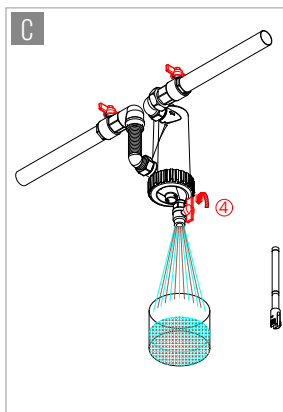
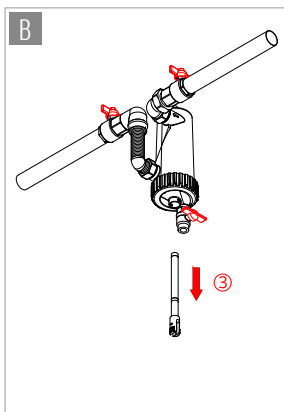
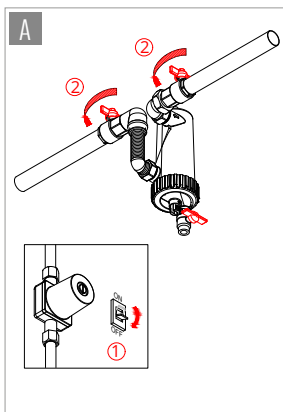
- the boiler filling valve until the draining water is clean.
5. Close T-MAG XL drain valve and the boiler filling valve
6. Insert the magnet in its housing
7. Open T-MAG XL inlet valve
8. Switch on the boiler



TOTAL CLEANING (Annually or if necessary)

1. Switch off the boiler
2. Close T-MAG XL inlet and outlet valves
3. Remove the magnet from the bottom
4. Put a container under T-MAG XL and open its drain valve
5. Turn T-MAG XL ring nut with its wrench for opening it
6. Remove all the components inside the filter

7. Clean with water the filter ring nut and the filtering basket
8. Assemble again the filter
9. Close the T-MAG XL drain valve
10. Insert the magnet in its housing
11. Open T-MAG XL inlet and outlet valve.
- Open the cold water inlet valve to pressurize the system
12. Switch on the boiler





For the maximum efficacy of the magnetic filter
and for the best boiler or system protection, use the product **PROTECT 1**.



**IF THE PRODUCT IS CERTIFIED,
THE PROTECTION EFFICACY IS GUARANTEED**



For eliminating any metal oxides without powerflushing
or draining the system, add the dispersant **CLEAN 1**.

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