



LUXOR®



DEMAX
● LUXOR RED LINE

**MAGNETIC DIRT SEPARATOR
FOR HEATING SYSTEM**

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MAGNETIC DIRT SEPARATOR FOR HEATING SYSTEM



Capture the impurities
and prevents obstruction

Compatible with any type of boiler

A compact design that can be
installed in two configurations

100% filtering of the flow

Energy-saving issues as well as the rational use of resources are very current topics; therefore it is **necessary to keep the heating circuit efficient** by using a **magnetic dirt separator filter** placed on the return pipe to capture the impurities present in the heat carrier fluid and **avoid any damage they could cause to the heating system**.

This device must be installed on the heating circuit, and once positioned, it is necessary to fill the heating system up again, emptying the air in excess.

The main technical data are:

- It prevents the risk of obstruction of the heating circuit pipes and its components.
- Should the boiler be replaced, the dirt separator filter can be mounted on the new one.

TECHNICAL DATA

Maximum working temperature: **65°C**
Room temperature: **+5°C ...+ 50°C**
Water working pressure: **1,0 ÷ 2,0 bar**
Maximum water pressure: **3,0 bar**
Water content in the heating circuit: **~ 0,2 l**

Magnet: **Ø12x60 mm, 4500 gauss**
Width: **101,5 mm**
Height: **116,5 mm**
Net weight: **175 g**
Fittings supplied: **G3/4G**

G 3/4 brass fitting with gasket, female swivel nut and ball valve

G 3/4 brass fitting

Rubber gasket between the upper and lower body

Dirt separator body made of black polypropylene and glass fibres

End cap for fast filter's emptying

Plug of the magnet housing

Stainless steel metal mesh filter

High power magnet: Ø12x60 mm 4500 gauss

OPERATING PRINCIPLE

The water flow returning from the heating system passes through the inlet fitting of the dirt separator filter, then it flows through the internal area where there is the magnet and the stainless steel metal mesh and goes out through the outlet fitting of the dirt separator filter.

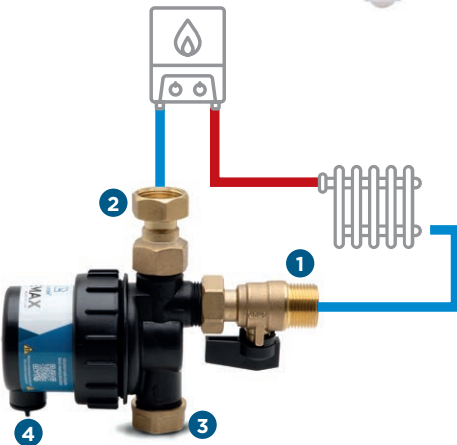
Quick cleaning instructions



OPERATING SCHEME

The dirt separator filter can be installed in two different ways (horizontally or vertically) in order to be suitable to the majority of the domestic hydraulic circuits already existing as well as the new ones.

- 1) Heating system return circuit / dirt separator filter inlet
- 2) Dirt separator filter outlet / towards the boiler
- 3) Position of G 3/4 brass female end cap
- 4) Position of M12 grey plastic end cap for filter's emptying.



Installation with the filter placed horizontally



Installation with the filter placed vertically

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Quick cleaning instructions



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