

MAGNEX HP7P MINI TOP



Adjustable magnetic under-boiler sludge remover filter, the only transparent one

BACKGROUND:

We live in an age of high-efficiency boilers but, for many years, little attention was paid to the proper treatment of heating systems. Most installations suffer from black iron oxide contamination, which results in heavy sludge deposits that are the result of corrosion in radiators and other metal components.

The size of the oxide particles can vary from very large to very small, but in any case they create a lot of problems in the circuit, even causing premature malfunctioning and breakage of pumps and valves; furthermore, when the heat exchanger of the boiler and the pipes are contaminated, there is a drastic loss of efficiency.

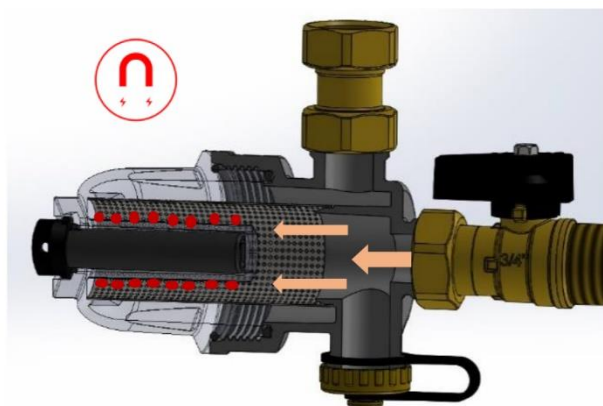
MAGNEX HP7P MINI TOP provides many years of protection while maintaining a high system performance, thus combining financial benefit with increased reliability.

In addition, due to its compact size, it boasts great versatility in terms of installation and guarantees long life and maximum efficiency of the system: it eliminates impurities and fights corrosion.

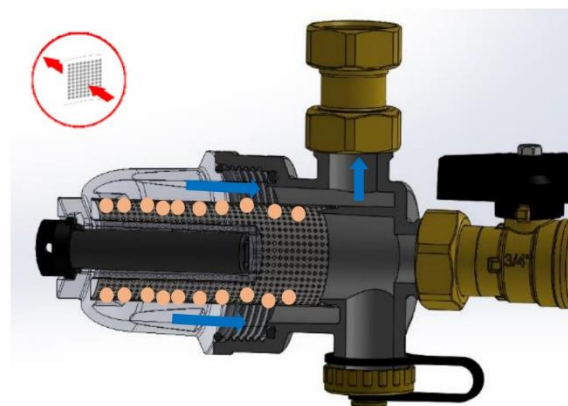
DESCRIPTION:

MAGNEX HP7P MINI TOP is the optimum solution for solving system problems caused by pollution from particles (especially rust and sand) that form as a result of corrosion and scaling during the normal operation of a thermal system. The magnetic filter ensures continuous protection of the boiler, as it retains all impurities in the system and prevents circulation, thus preventing wear and damage to other system components (e.g. circulators and heat exchangers).

MAGNEX HP7P MINI TOP is a dirt separator that combines effective separation of debris by means of a double filtration step, magnetic and mechanical. The special design, developed with the most advanced fluid-dynamic techniques, favours and combines in all positions of use the important purification effect of the powerful magnet and the filtration network. The large chamber in the vicinity of the magnet provides large amounts of accumulation, resulting in less frequent maintenance. Shapes and materials have been carefully selected to ensure performance, strength and durability. The compact size and design allows installation in any system configuration without reducing filter performance.



Magnetic filtration



Mechanical filtration



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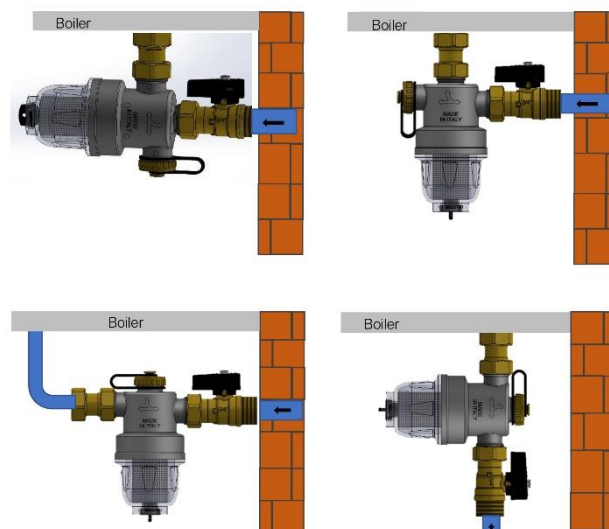
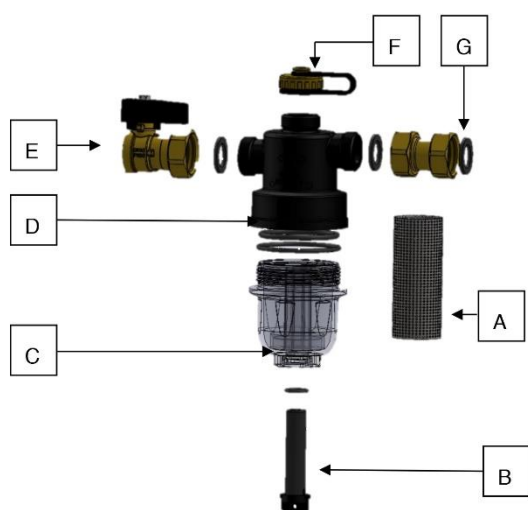
CHEMISTRY IN ACTION

OPERATION:

MAGNEX HP7P MINI TOP can be mounted horizontally and/or vertically thanks to its special tee fitting and special design. The only one that always allows perfect filtration and cleaning in every position with incredible simplicity and without compromise. The dirt filter should preferably be installed on the return line from the generator.

Use a 29 mm spanner to loosen and unscrew the socket for extraordinary maintenance. Carry out routine cleaning one month after the first installation. Thereafter, it is recommended to carry out routine cleaning every two months during the heating season.

Thanks to the unique transparent glass, it will be possible to check in advance whether cleaning is necessary or not.



- A) steel mesh
- B) magnet
- C) bucket
- D) body with threaded connections with double o-ring seal
- E) heating system shut-off valve
- F) cap
- G) swivel fitting for boiler connection

Multiple installation possibilities without compromising the degree of filtration

Unloading phase:

Before carrying out any inspection, cleaning or maintenance work, switch off the generator, close the shut-off valves upstream of the sludge remover and wait for the components to cool down.

To clean the device, proceed as follows:

1. Close the shut-off valve upstream of the sludge remover.
2. Prepare a collection container and unscrew the cap of the drain cock.
3. Unscrew the magnet holder cap directly using a 29 mm spanner.
4. Once the flow of water has stopped, completely remove the magnet cover/plug (by unscrewing it counterclockwise) and remove the magnet by turning it 90° clockwise so as to easily remove ferrous particles.
5. Wash with water and rinse thoroughly under the tap to remove all impurities and debris.
6. Check the O-ring seal for signs of damage, replace if damaged. Reassemble in reverse order and finally check for traces of leakage before recommissioning.





Closing
the
valve.

the
shut-off
valve.

Opening the
discharge
valve.

unscrew the
magnet
holder cap in an
anti-
clockwise
direction
directly and ensure
that
water is collected
in a
suitably sized
container.

Removing the
magnet
(turn 90°
clockwise).
Wash with
water and
rinse
thoroughly
under the
tap to remove
all
impurities
and debris.

TECHNICAL DATA:

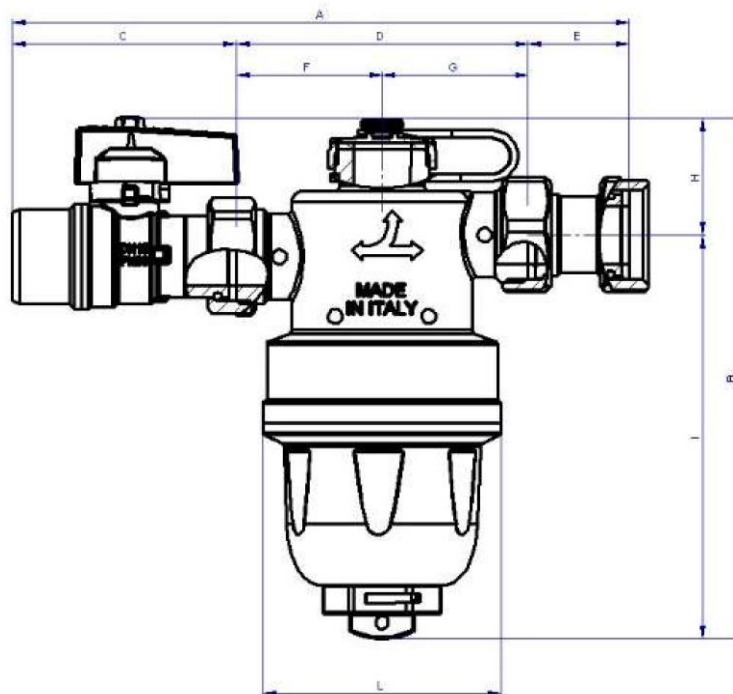
Body:	PA66 + FV 30%
Filter cartridge:	stainless steel AISI 304
Seals:	EPDM peroxide
Shut-off valve:	Brass
Swivel fitting:	Brass

Magnet:	12.000 GAUSS
Porosity filters included:	800 µm
Compatible fluids:	water; water + glycol 50% max
Max. capacity:	Kv 5.2
Max. pressure:	3 bars
Temperatures:	0 – 90 °C

DIMENSIONI DIMENSIONS

Taglia / Size 3/4"x 3/4"x 3/4"

A	171
B	144
C	62
D	81
E	28
F	40.5
G	40.5
H	32.5
I	11.5
L	66



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CHEMISTRY IN ACTION