

SEP MG COMPACT

Hydraulic separator, degasser and magnetic sludge remover filter

SEP MG Compact concentrates in a single compact component the functions of a hydraulic separator, magnetic sludge remover filter and degasser, suitable for protecting and separating the primary and secondary circuits of central heating and cooling unit plants.

SEP MG Compact allows you to solve:

- hydraulic separation system problems where, among other things, a constant power supply temperature to the utilities is required for the absence of uncontrollable mixing phenomena;
- the elimination of pollution by sand and rust particles formed as a result of corrosion and scaling, reducing the danger of wear and consequent damage to all components making up the system.



Ensures hydraulic separation between the primary and secondary circuits

Removes any impurity

It ensures the energy and functional efficiency of the system

Typical application in industrial, commercial and medium and large-scale civil systems

Reinforced stainless steel filtering mesh with 100 micron filtering degree

Equipped with an easily accessible dosing point for adding treatment chemicals

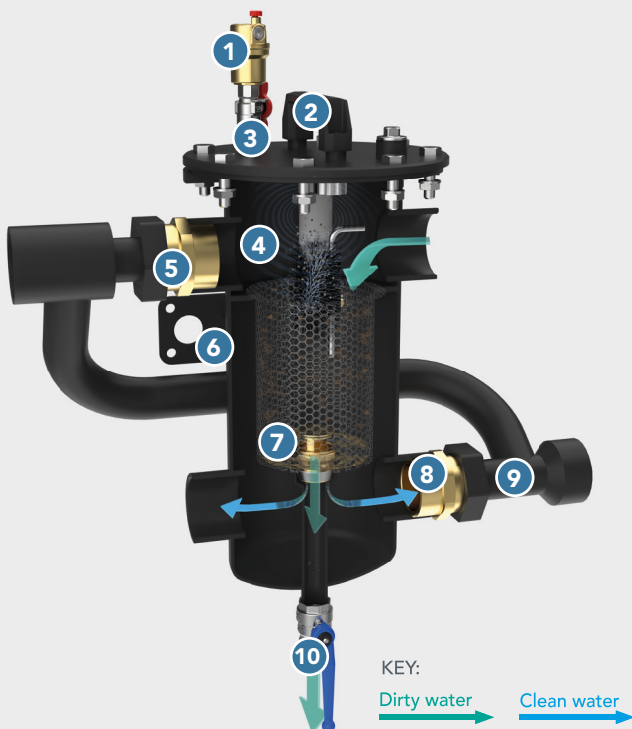
Limited overall dimensions (in relation to the product category)

Reversible connections

Optional in-line installation on boiler rooms

Reduced maintenance costs:

- > magnet protected from contact with water, easy to clean
- > the large removable basket with bottom check valve prevents impurities from falling into the cylindrical body
- > the large filtering surface reduces the frequency of filter maintenance
- > the possibility of cleaning the filter without emptying completely reduces the amount of chemical additives to be replenished after each maintenance operation.
- > filter clogging control gauges on request.



- 1 Automatic air venting valve**
to eliminate air at the filling stage, complete with the ball shut-off valve
- 2 Inspection cover**
- 3 Magnetic filtering unit**
powerful neodymium magnet to capture ferrous particles such as rust that form due to corrosion during normal operation of a system, metal debris, processing residues, etc... The magnet is protected from direct contact with water by a removable conduit that facilitates cleaning the filter
- 4 Sudden section increase**
it causes the fluid to slow down. The settling of particles due to the effect of gravity is favoured
- 5 Injection and separation kit**
Anchorage of the KIT with unused sleeve shut-off fitting can.
- 6 Wall fixing bracket**
- 7 Filtering wire mesh**
stainless steel stretched mesh (100 micron filtration degree) contained in a basket that can be easily pulled out from above. This is equipped with an automatic closing shutter, located at the bottom, to prevent impurities from leaking during maintenance
- 8 Revolving fitting**
for the reversibility of the injection and separation kit
- 9 Injection and separation kit:**
 - It prevents parasitic mixing with the return fluid from the air conditioning system, typical of traditional 4-pipe hydraulic separators, with the consequent inability of the system to guarantee a constant temperature on the secondary circuit;
 - Eliminates thermal stratification phenomena and eliminates the need to reverse the connections for hot and cold distribution;
 - Absence of any reciprocal influence between the primary and secondary circuit pumping system;
 - Absence of a return circulation even if one of the two circuits stops pumping completely.
- 10 Bottom valve**
for draining the separated, decanted and accumulated material inside the basket.