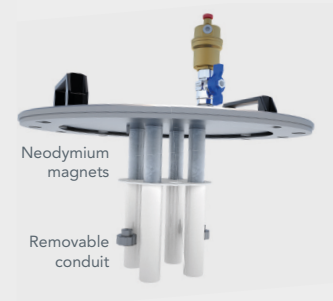


## MG PLUS

### Self-cleaning dirt separator with magnets for boiler rooms

**RBM MG Plus**, a self-cleaning multifunction dirt separator filter with magnets for boiler rooms, represents the best solution to solve plant problems due to pollution resulting from particles of sand and rust that form due to corrosion and incrustations during the normal operation of a system. Thanks to **its powerful magnetic capacity, its size and the flanged connections, MG Plus is used in industrial, commercial and large-scale civil systems.** Through its effective and constant action, the filter collects all the impurities present in the system, preventing them from circulating within it, thus avoiding wear and damage of all the components making up the system. The impurities blocked by the filter accumulate inside the basket. Cleaning starts by opening the designated discharge valve. In this way all the magnetic contaminants (ferrous residues) and non-magnetic (algae, sludge, sand...) in the system are removed.



Removes any impurity

Self-cleaning

Maintains optimum system efficiency

Application in industrial, commercial and large-scale civil systems

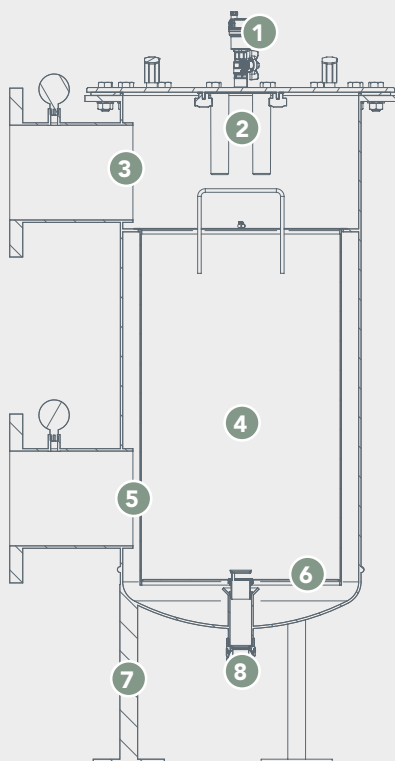
Reinforced stainless steel filtering mesh with 100 micron filtering degree

Fitted with a dosage point to add treatment fluids, easily accessible

Limited overall dimensions (in relation to the product category)

Reduced maintenance costs:

- > Magnets protected from contact with water, easy to clean
- > The large removable basket with check valve prevents impurities from falling into the filter
- > The large water content extends maintenance intervals
- > The possibility of cleaning the filter without emptying completely reduces the amount of chemical additives to be replenished after each maintenance operation



#### 1 Automatic air vent valve

to eliminate air at the filling stage, complete with the ball shut-off valve

#### 2 Magnetic filtering unit

powerful neodymium magnets to capture ferrous particles such as rust that form due to corrosion during the normal operation of a system, metal debris, processing residues, etc. The magnet assembly is protected by direct contact with water by a removable conduit that makes filter cleaning operations easier

#### 3 Sudden section increase

it causes the fluid to slow down. Average incoming speed: 2.5 m/s  
Average speed after the filter inlet: 0.2 m/s.  
The settling of particles due to the effect of gravity is favoured

#### 4 Filtering 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 leakage of impurities during maintenance

#### 5 Pair of pressure gauges

through the display of the differential pressure, it is possible to assess the degree of clogging of the filter

#### 6 Accumulation zone

Large and very far from the flow passage, resulting in less frequent maintenance work

#### 7 Base

adjustable height

#### 8 Drain ball valve

Size 1" 1/4