



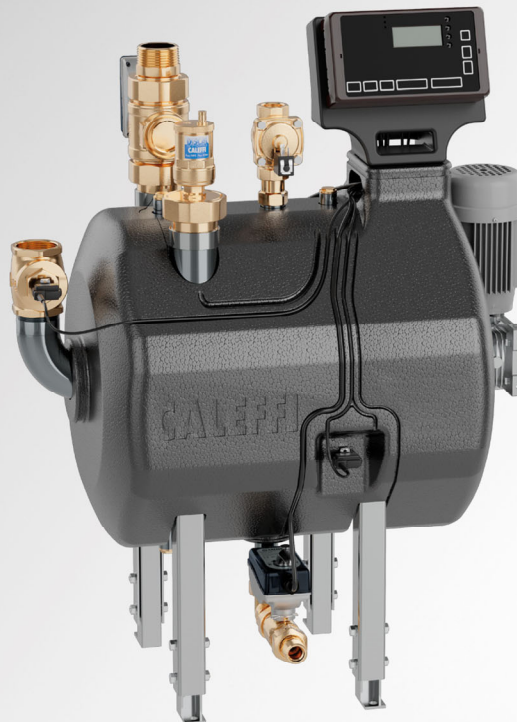
SELF-CLEANING DIRT SEPARATOR FILTER WITH MAGNET **DIRTMAGCLEAN**[®]

CALEFFI
Hydronic Solutions



Heating

The central heating system: the core of the entire system



PATENT PENDING

FUNCTIONS AND FEATURES

- Used in heating systems controllers to remove dirt and impurities from the circuit progressively and completely.
- Flexible installation in-line or in by-pass, to suit the requirements of the installation.
- The filter mesh progressively blocks particles down to 2 µm diameter. At the same time, ferrous particles are separated out by the magnets on the surface of the filter element.
- Pressure drops are kept to a minimum due to the large area of the filter mesh.
- The filters themselves are cleaned mechanically in an automatic cycle controlled by the electronic regulator.
- The electronic regulator can be controlled remotely with a BMS system running the MODBUS-RTU protocol.

PRODUCT RANGE



CODE
579000

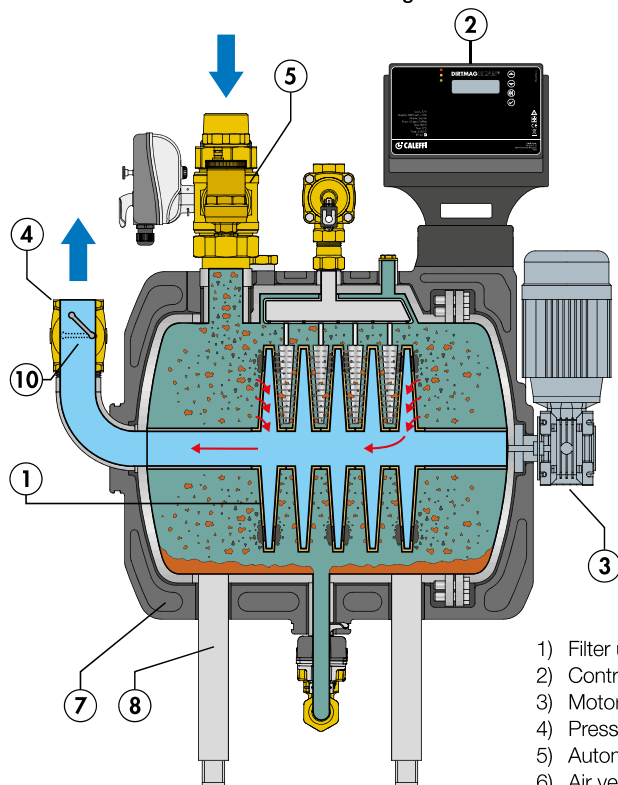


TECHNICAL SPECIFICATIONS

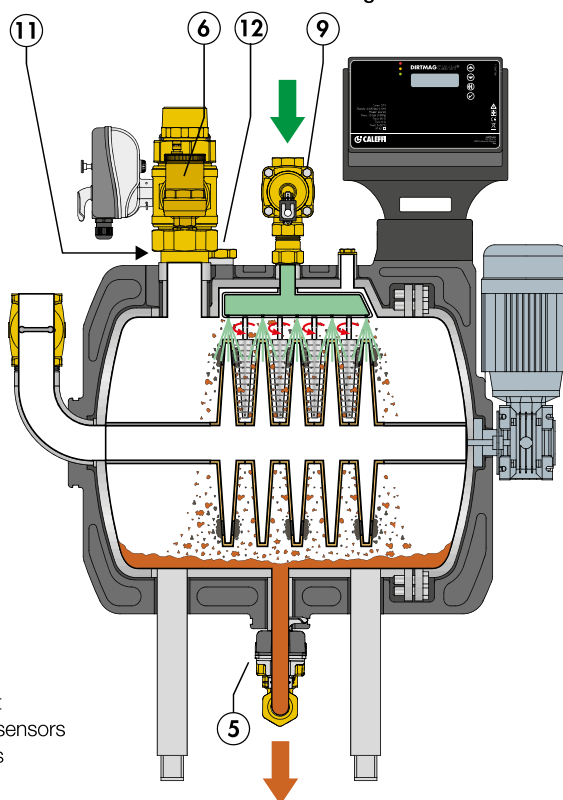
Body material	stainless steel AISI 304
Max. working pressure	10 bar
Temperature range	0–85°C
Recommended flow rate	5–20 m ³ /h
Kv	45
Particle separation capacity	up to 2 µm

OPERATION AND COMPONENTS

Normal working

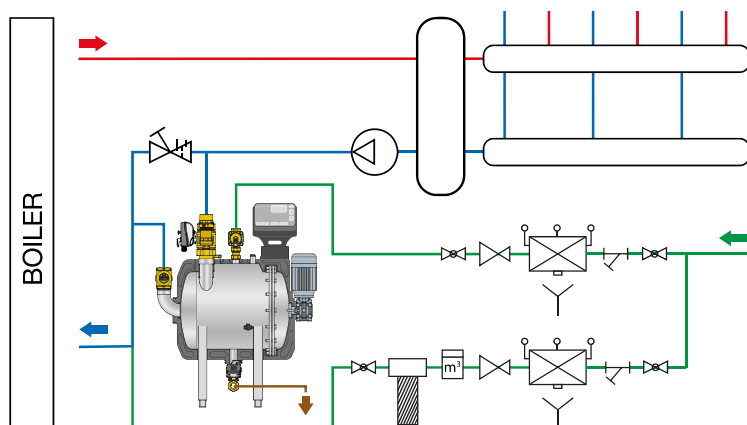


Automatic cleaning



- 1) Filter unit with magnets
- 2) Controller
- 3) Motorised self-cleaning unit
- 4) Pressure and temperature sensors
- 5) Automatic motorised valves
- 6) Air vent
- 7) Insulation
- 8) Adjustable feet
- 9) Solenoid operated valve
- 10) Check valve
- 11) Vacuum breaker
- 12) Fluid filler cap

APPLICATION DIAGRAM



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