



Magnetite sludge separator

benefits

- effective separation of particles by means of magnet insert and filter sieve
- ideal for wall-mounted condensing gas boilers with up to 35 kW
- transparent filter cup for fast visual inspection
- for applications where space is limited: horizontal, vertical or 90° angle installation



Application

Designed for use below wall-mounted heat generators for continuous removal of solid impurities from heating systems that can damage other system components (heat exchangers, condensers, valves, pumps, etc.).

The sludge separator ensures clean water, reliable operation, better and faster heat transfer and thus contributes to reduced fuel consumption and emissions. Suitable for hot water heating systems, underfloor heating systems and other system equipment with water/glycol mixtures. Rust, lime particles, calcium, magnesium, oxides, carbonates and sludge as well as larger particles such as metal chips or construction residues are removed from the water – without the use of chemicals. Ideally, the unit is installed in the return line upstream of the heat generator.

Description

Extremely compact sludge separator with transparent filter cup and magnet insert. A drain valve or plug can be integrated for opening and draining. When the system water flows into the separator, metallic particles such as rust or metal chips are removed by a strong magnet. Other, non-metallic particles are removed by a 800 µm stainless steel sieve. Collected impurities can be removed quickly via the integrated drain valve. The sludge separator can be disassembled for thorough cleaning.

Technical Specifications

material

Housing: Plastic (PA66 with 30 % glass fibre)

Connection pieces: Brass

Filter sieve: Stainless steel

Operating pressure

at max. 50 °C: 6 bar

at max. 90 °C: 3 bar

Flow coefficient Kvs

5.3 m³/h

Flow rate

max. 2 m³/h

Operating temperature range

Ambient: 0/90 °C

Capacity

139 ml

Connections

System: G¾

Filter sieve

Mesh size: 800 µm (pre-assembled)

Magnet insert

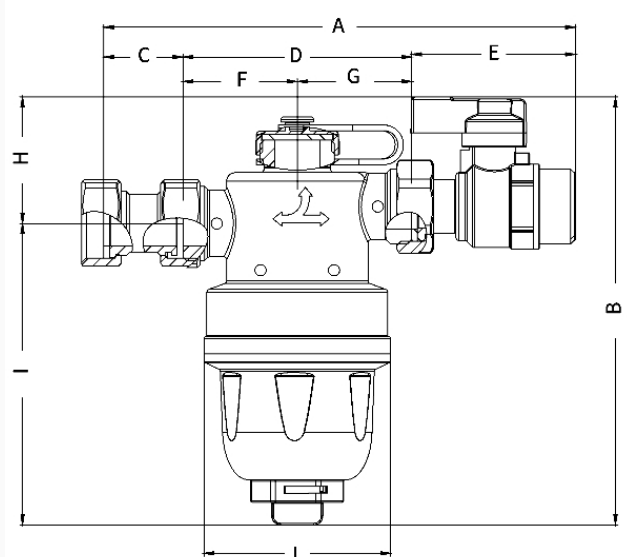
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Mounting position

horizontal, vertical, 90° angle

Technical Drawings

Dimensions (mm)



Größe	G ^{3/4"} x G ^{3/4"} x G ^{3/4"}	Größe	G ^{3/4"} x G ^{3/4"} x G ^{3/4"}
A	167	F	40,5
B	151,1	G	40,5
C	28	H	44,8
D	81	I	106,4
E	58	L	66

Scope of delivery

- Magnetite sludge separator with 800 µm filter sieve
- mounting tool