



## Magnetite sludge separator ADS 180

Part no. 40921

Magnetite sludge separator

### benefits

- extends the service life of the system and ensures optimum system efficiency
- Easy operation and cleaning
- Ideal for large water volumes thanks to low pressure loss



### Application

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

Compact sludge separator with drain valve and magnetite insert. 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 upper part of the housing contains a connection thread G½ which is closed by a cap. This is provided for connection of an optional quick air vent. The mounting tool included in the scope of delivery allows you to easily disassemble the sludge separator for thorough cleaning.

### Technical Specifications

#### material

Connection pieces: Brass  
Filter sieve: Stainless steel

#### Operating pressure

at max. 50 °C: 6 bar  
at max. 90 °C: 3 bar

#### Flow coefficient Kvs

17.1 m³/h

**Flow rate**

max. 9.6 m<sup>3</sup>/h

**Operating temperature range**

Ambient: 0/90 °C

**Capacity**

440 ml

**Connections**

System: G1 female

Vent: G½ female

**Filter sieve**

Mesh size: 800 µm (pre-assembled)

**Options**

- other connection threads

**Magnet insert**

Neodymium 1.2 T

**Mounting position**

horizontal

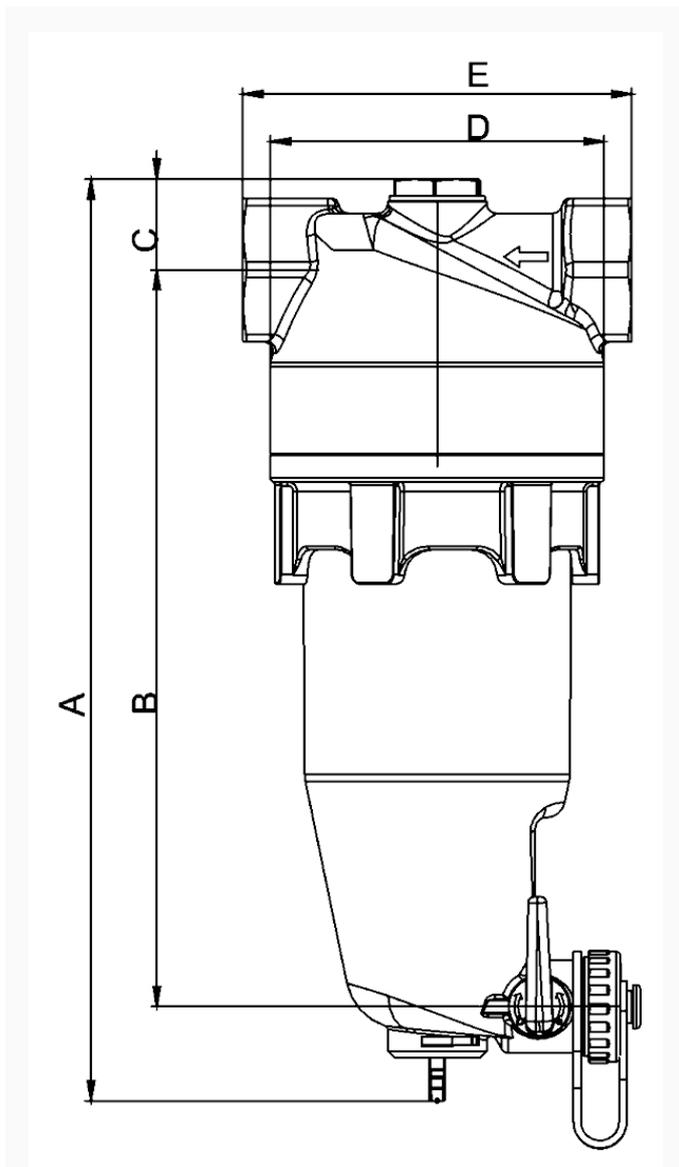
**Scope of delivery**

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

**Options**

- other connection threads

Technical Drawings



| Größe | G1   | G1¼  |
|-------|------|------|
| A     | 244  | 252  |
| B     | 195  | 200  |
| C     | 24   | 27,5 |
| D     | 87,5 | 87,5 |
| E     | 102  | 102  |

## Versions

|                                       | Heat insulation | Connection |                                  | Part no. |
|---------------------------------------|-----------------|------------|----------------------------------|----------|
| Magnetite sludge separator<br>ADS 180 | 0               | G1 female  | <input checked="" type="radio"/> | 40921    |

- in-stock items
- Non-stock items