

Operating instructions

for the **COMPUTHERM DS8-32** and **DS8-40**
type dirt separators

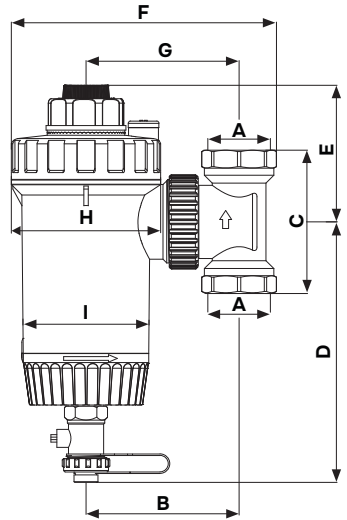
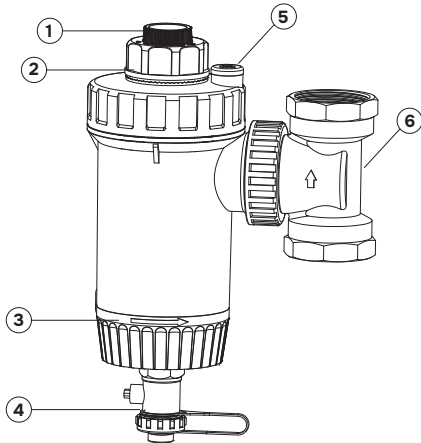


Contaminants are always present in heating and cooling systems. They can accumulate over time and can cause clogging, failure, performance degradation, or noise. To prevent this, dirt must be separated from the system. The **COMPUTHERM DS8-32** and **DS8-40** magnetic dirt separators serve this purpose, with their design, filter and strong magnet, they effectively remove both magnetic and non-magnetic dirt from the heating/ cooling systems, allowing the proper operation of the system and increasing its lifetime.

The products are easy to install and maintain. No need to replace seals or other parts during maintenance and cleaning. The magnetic dirt separators are much more efficient than conventional filters and require less maintenance. The built-in cleaning brush greatly contributes to the thorough cleaning of the system.

The components of the product and the main advantages of its design:

1. Removable strong magnet for easy cleaning.
2. Cleaning function adjustment ring.
3. Manual brush-rotating ring that allows the removal of debris accumulated on the filter (without disassembly) during the flushing process.
4. Drain valve for removing contaminants.
5. Air vent
6. Rotatable connection that allows installation on both horizontal and vertical pipes.



	A	B	C	D	E	F	G	H	I
DS8-32	¼"	103 mm	96 mm	172.5 mm	92.5 mm	178 mm	103 mm	100 mm	84 mm
DS8-40	¼"	108 mm	102 mm	172.5 mm	92.5 mm	108 mm	108 mm	100 mm	84 mm

Installing the device:

Attention! If you're using a pacemaker, then special care must be taken while handling the magnetic dirt separator, similarly as with all strong magnetic products.

Attention! The strong magnet in the product can damage some electrical devices. Keep away from these devices to avoid damage.

Attention! Install the product in a dry place which is not exposed to frost and easily accessible for maintenance.

Attention! For higher efficiency, the installation diameter of the dirt separator must match the pipe diameter of the system. The connection size of the

COMPUTHERM DS8-32 models is $\frac{5}{4}$ ", while the connection size of the **DS8-40** models is $\frac{6}{4}$ ". The use of connector adapters is not recommended.

Before installation, ensure a suitable location for the dirt separator in the heating/cooling system. The product can be installed in vertical and horizontal pipe systems too, but take care that the dirt separator housing should always be vertical and the drain tap must be located at the bottom of the product. Make sure that the direction of flow matches the direction indicated on the connector. Install the dirt separator in the return line upstream of the heater/cooler/pump. After installation, vent the product using the air vent on its top to ensure proper flow in the system.

Emptying the collected dirt and venting:

It is recommended to remove the contaminants accumulated in the dirt separator several times a year. The dirt separator can be cleaned without disassembling the filter body.

Attention! Before flushing and self-cleaning, allow the system to cool to a low temperature and wear appropriate protective clothing during the procedure.

Follow the steps below to remove dirt:

- Turn off the heating/cooling system so that the fluid does not flow in it.
- Close the valve(s) located before/after the dirt separator.
- Unscrew the magnetic rod from the top of the product (counter-clockwise) and remove it until cleaning is completed.
- Turn the cleaning function adjustment ring counter-clockwise approximately four full turns until it stops.
- During the cleaning process, rotate the manual brush-rotating ring (at least 360°) to clean the internal filter.
- Unscrew the threaded cap located at the bottom of the product.
- Open the drain valve (ball valve) located at the bottom of the product.
- Leave the drain valve open until the contaminated water has fully discharged, then close the valve.
- Screw the threaded cap back onto the bottom of the product.
- Turn the cleaning function adjustment ring clockwise approximately four full turns until it stops.
- Screw the magnetic rod back into the top of the product.
- Open the valve(s) located before/after the dirt separator.
- Vent the system by opening the air vent on the top of the product. Once the air is out and liquid is flowing out of the air vent, close it.
- If necessary, refill the heating/cooling system to achieve the adequate water pressure.
- Turn the heating/cooling system on.

Technical data:

Size of connections:	5/4" (DS8-32) or 5/4" (DS8-40)
Maximum operating pressure of the heating circuit:	10 bar
Minimum operating temperature:	0 °C
Maximum operating temperature:	120 °C
Maximum flow rate:	198 l/min (DS8-32) or 205 l/min (DS8-40)
K_{vs}:	11.9 m ³ /h (DS8-32) or 12.3 m ³ /h (DS8-40)
Magnetic strength:	12000 Gauss (neodymium magnet)
Housing material:	glass fiber reinforced nylon (PA66-GF30%)
Tank volume:	550 ml
Weight:	1640 g (DS8-32) or 1772 g (DS8-40)
It can be used in both heating and cooling systems:	yes
Filter mesh density:	300 microns

Manufacturer:

QUANTRAX Ltd.

Fülemüle u. 34., Szeged H-6726, Hungary

Phone: +36 62 424 133 • Fax: +36 62 424 672

E-mail: iroda@quantrax.hu

Web: www.quantrax.hu • www.computherm.info

Country of origin: China

