Honeywell

MHF49

Magnetic Heating Filter

Product specification sheet

Construction

The magnetic filter consits of:

- Filter cartridge.
- Removable sheath
- Filter chamber
- Magnet

Materials

- Polyammide filter housing
- Polyammide, glass-fibre reinforced diverter body, ring and magnet housing
- Stainless steel filter mesh
- EPDM sealing washers
- Neodymium magnet (tested according to IEC 60404-5 & ASTM A977)

Application

The magnetic heating filter is used to filter out contaminants (e.g. sludge, sand, rust, iron particles etc.) that arise from the regular operation of a heating system. Thus, premature wear and failure of the heating system arrising from contaminants can be prevented.

Special features

- Rotatable connection for any installation position
- Complete with isolation valves
- Simple installation and maintenance
- Suitable for dosages of 0.5 litres of chemicals
- Pipe cutter guide

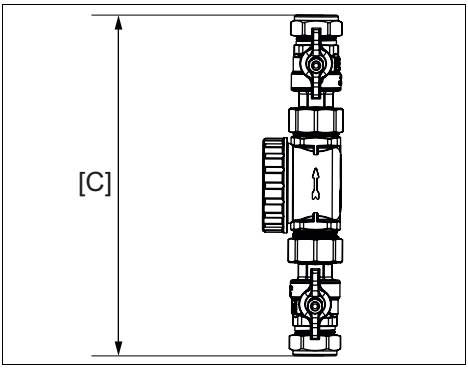
Range of Application

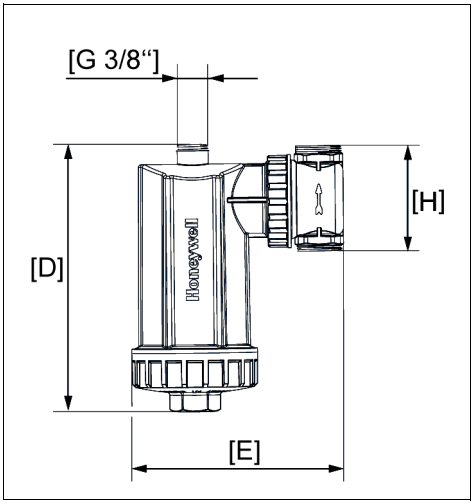
The magnetic heating filter is built into the heating circuit, and is intended to filter out residue in order to prevent premature wear or failure of the heating system.

Technical Data

Medium	Water, Water + Glycol
Operating pressure	max. 4 bar
Temperature range	5 °C...90°C
Connection size	22 mm, 28 mm compression fittings

EN0H-1555GE23 R0215 ■ Subject to change





Part no.	Size	C [mm]	D [mm]	E [mm]	H [mm]
MHF49-22A	22 mm	239	189	153	98
MHF49-28A	28 mm	271	189	153	98

Method of operation

Through a specifically designed path the medium is forced to pass within the filter cartridge mesh and into the filter chamber. There a combined action of the filter mesh, magnet and inner geometry of the Filter chamber, allow heavy particles to sink to the bottom, while the magnet inside the filter captures any rust and iron particles.

In that way impurities (eg. sludge, sand, rust, iron particles) normally found in a central heating system can be easily removed and kept inside the filter chamber.

Options

MHF49 -22A Magnetic Heating Filter with 22 mm compression fitting.

MHF49 -28A Magnetic Heating Filter with 28 mm compression fitting.

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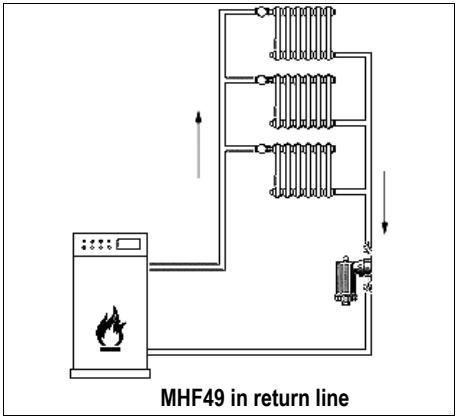
IInstallation Guidelines



MHF49 in return line

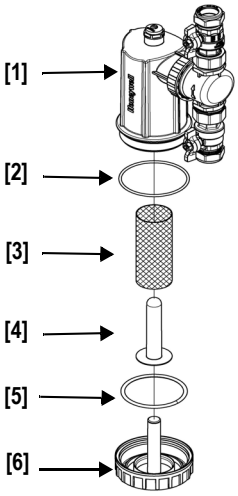
The installation site has to be frost-proof and the protection of the device from chemicals, paints, detergents, solvents and their vapors and environmental influences must be guaranteed

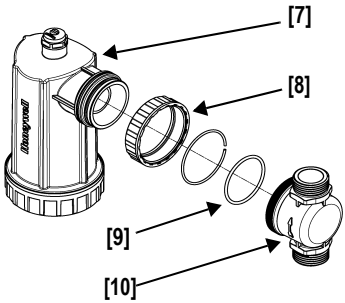
- The magnetic heating filter is not suited for:
  -the separation of oils greases, solvents, soaps and other lubricating media
  -the separation of water-solvent materials
- The magnetic heating filter is installed in the heating circuit. For best performance we recommend to install MHF49 in the return of the heating circuit downstream of the last radiator
- If the circulating pump is installed in the return of the heating circuit, please ensure that the filter is installed upstream of the circulating pump
- The heating system needs to be drained down before installation
- Installation, commissioning and maintenance may only be performed by qualified personnel
- Use the pipe cutter guide
- The connection piece can be installed into both horizontal and vertical pipework
- The magnetic heating filter has to be installed with the air vent pointing upwards
- Make sure all seals are tight before filling the heating system
- Ensure good access for simple maintenance and inspection
- Only use device as intended and in proper condition
- Unauthorized modifications of the product are not allowed

Spare parts

For the MHF49 there are no designed spare parts. In normal operation no spare parts are needed.

In case of damage the whole MHF49 must be replaced.





[1] MHF49
[2] O-ring
[3] Filter mesh
[4] Removeable sheath
[5] Sealing ring
[6] Housing end cap

[7] MHF49
[8] Large fastening ring
[9] O-ring
[10] Diverter

Automation and Control Solutions
Honeywell GmbH
Hardhofweg
D-74821 Mosbach
Phone: (49) 6261 810
Fax: (49) 6261 81309
http://europe.hbc.honeywell.com
www.honeywell.com

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