

MAGella Filters and magnetite separators

MAGella MG series

MAGella twister series

MAGella Side Stream Filter



Magnetite and fine filters

to remove system contamination

Contamination in heating and cooling systems leads to wear and premature failure of pumps, valves and heat exchangers.

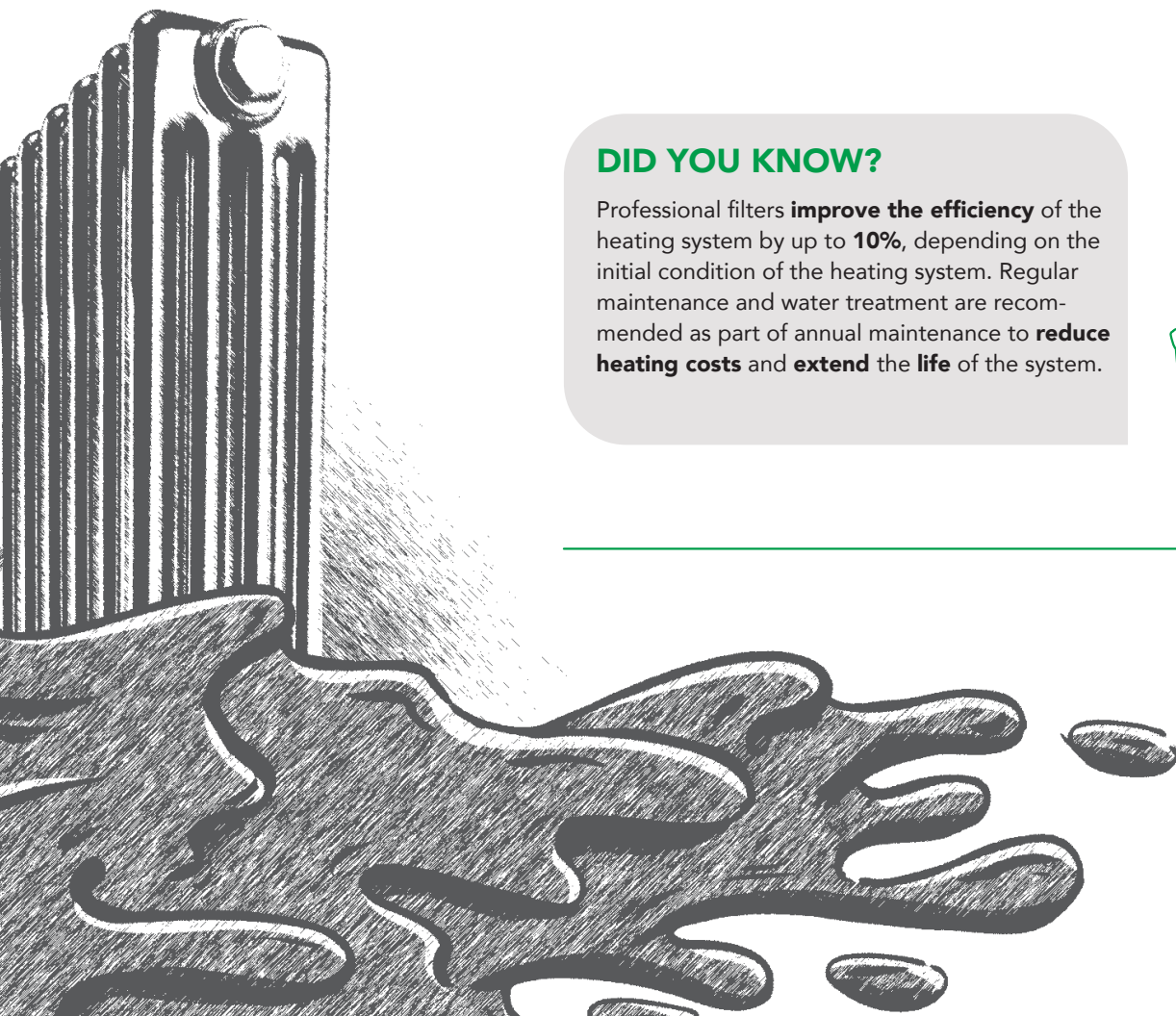
The magnetite separators, dual filters and the side stream filter of our MAGella series protect your systems from all types of contamination. This saves your customers energy and costs.

Even small amounts of iron oxide or other impurities result in significant efficiency losses and thus resulting in energy waste.

With the filters from the MAGella series, almost 100% of the black iron oxide sludge (magnetite) present as suspended matter in all central heating systems as well as all other particles up to 1 μm can be removed. The filters "actively" capture the circulating dirt – this ensures year-round protection.

DID YOU KNOW?

Professional filters **improve the efficiency** of the heating system by up to **10%**, depending on the initial condition of the heating system. Regular maintenance and water treatment are recommended as part of annual maintenance to **reduce heating costs** and **extend the life** of the system.



MAGella MG series

Compact and powerful

Circulating contaminants in heating and cooling systems can lead to wear and premature defects in pumps, valves and heat exchangers. The MAGella MG100 and MG200 mounted on the return line of the boiler protect the system from all types of contamination.



4 x 9,000 Gauss

magnetic particles are reliably removed from the water

360 degree mountable

Flexible installation even in confined spaces

2 shut-off valves included

Connection block made entirely of brass

technical data	MAGella	
	MG100	MG200
Art.-No	MAG-100150	MAG-100160
Connections	with 3/4" female thread	with 1" female thread
Dimensions	205/76 mm (height/width)	228/88 mm (height/width)
Field strength	4x 9,000 Gauss	4x 9,000 Gauss
Max. flow rate	32 l/min	50 l/min
Max. temperature	100 °C	
Max. operating pressure	3 bar	
Mount	Only mount the main unit upright - align the flow with the direction arrow	
Weight	1.3 kg (without packaging, including ball valve)	1.6 kg (without packaging, including ball valve)

MAGella Twister series

Unique dual filters with the highest separation capacity, especially for very small particles

The dual filters of the MAGella twister series are unique, highly efficient system filters for magnetic and non-magnetic contaminants in heating and cooling systems. They contain fine filters down to 1 µm and powerful magnetite filters. With its magnetraw of 11 x 12,000 gauss, the MAGella twister 10 is the most powerful compact filter in the world.



Up to 11 x 12,000 Gauss

and thus the strongest compact filter worldwide

1µm fine filtration

Even the finest dirt particles are filtered

2 in 1 dual filter

saves space and tool-free maintenance saves time

Flow rate of 5 or 10m³/h

also suitable for large systems

technical data	MAGella	
	twister5	twister10
Art.-No	100100	100101
High gloss filter housing made of stainless steel V4A	Stainless steel V4A	
Filter basket with seal to increase fine filtration	✓	
Pressure spring to increase fine filtration	D2	
Flow max.	5m³/h	10m³/h
Magnetic field strength (gauss)	6x12.000	11x12.000
Barriers (included)	2 x 1 1/2"	
Connections	1 1/2"	
KFE drain valve (included in delivery)	1/2 "	
Filter holders (included)	✓	
Vent shut-off with hose	1/4"	
Max. temperature	80°C	
Max. operating pressure	10 bar	



MAGella Side Stream Filter



Fully automatic filter unit for filtration of heating systems

The MAGella Side Stream Filter is a filter unit for permanent filtration of water using the bypass process. The device controls the flow rate via the integrated pump. The MAGella Side Stream Filter is used for magnetite separation and for fine filtration of non-magnetic particles from the system water.

The heart of the new filter is its fully automatic control. If the filter capacity, pressure or temperature is exceeded, an alarm is triggered and the device switches off automatically.

In addition to MAGella twister10:

Pump-controlled bypass filtration: Allows easy installation and does not affect system efficiency.

Alarm messages and automatic shutdown: Filter stops automatically when filter capacity is reached and optionally informs via MODBUS

Documentation of the filtration quantity: Accurate overview of water quantity to determine system condition

technical data	MAGella
	Side Stream filter
Art.-No	MAG-200200
Max. operating pressure	8 bar
Max flow	5m ³ /h
Maximum temperature	80 °C
Filtration	≥ 1 µm
Glycol / Water	up to 50/50
Power supply	230 V
power consumption	160 W
Display size	4.3"
Weight	32 kg
Housing dimensions (H, W, D in mm)	992 x 490 x 405
Width with connections	520 mm
connection	1 ½" BSP G internal thread
connections	fixed (not rotatable)
volume	45 dB
Languages	German, English, French
Ready for connection in an insulated housing	

our water. safe.

UWS Technology GmbH
Sudetenstrasse 6
D - 91610 Insingen
+49 (0) 9869 919100
info@uws-technologie.de
uws-technologie.de

Your contact person

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As of 09/2024