

# magnetic<sup>®</sup> HWR 50 plus incl. connecting kit

## heating water regulator

### Description:

The reaction vessel HWR 50 plus is designed for the electrochemical treatment of heating system water and is an ideal device for protecting heating systems from corrosion caused by water without the addition of chemical corrosion inhibitors. The main function of the HWR 50 plus is the electrochemical water treatment, which results in a stabilisation of the pH value, a continuous oxygen depletion and a cleaning of the water, which decisively contributes to a water quality that allows a corrosion protection of the metals in the system through natural coating formation.

<b>Usage temperature</b>	max. 90° C
<b>Operating pressure</b>	6 bar
<b>Testing pressure</b>	10 bar

### Rating for use in heating systems

type code	system volume* max	estimated volume**	installation	item no.
<b>HWR 50 plus</b>	15 m <sup>3</sup>	~ 18,5 l/kW FH*** ~ 12 l/kW radiators	floor	888 185

\* Without taking into account a buffer tank

\*\* About 20% must be added to the heating capacity in the case of old system with a new heat source

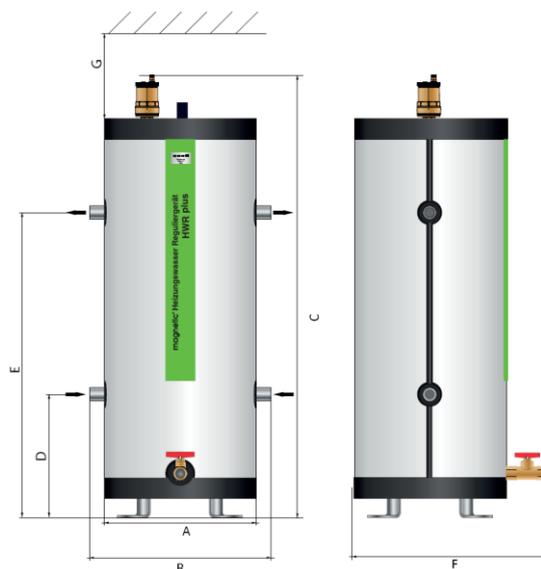
\*\*\* Floor heating

### Installation note

- The device must be connected in a bypass, the supply is effected via 1" pipe
- The flow rate must be set to 10 litres per minute
- Material to be provided by the customer: if required, a 1" supply line pump with ball valve. (e.g. Wilo Stratos PICO 25/1-4 in 'constant differential pressure' control mode)

### Dimensions

Dimensions in mm		
<b>A</b>	Diameter	370
<b>B</b>	Width incl. connecting pipes	403,5
<b>C</b>	Total height	1060
<b>D</b>	Bottom – inlet centre	295,5
<b>E</b>	Bottom – outlet centre	745,5
<b>F</b>	Depth incl. ball valve	460
<b>G</b>	Min. clearance	1000
<b>inlet, bottom / outlet, top</b>		1"



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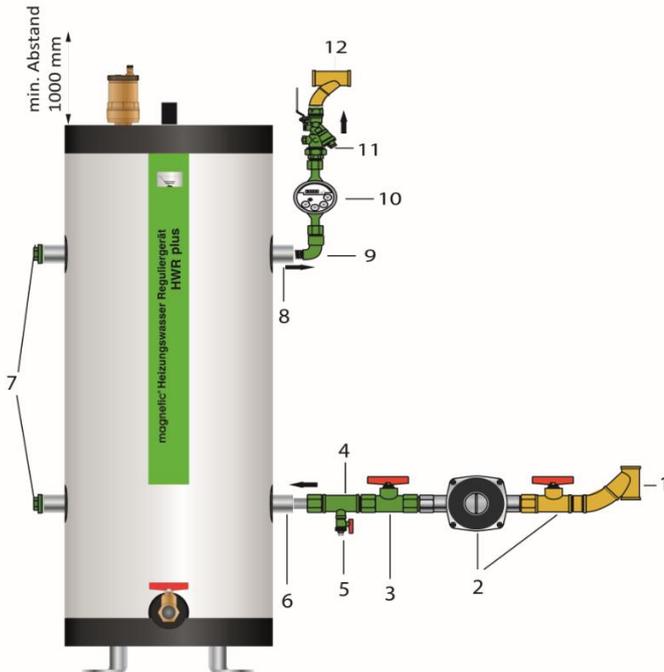
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### Accessories included in the scope of supply:

- Water quantity counter with screw coupling
- Installation kit - complete installation kit with all valves and fittings necessary for operation.

### Installation principle with the installation kit



### Included in the supplied installation kit:

- (3) Ball valve 1"
- (4) T-fitting 1" x 1" x 1/2"
- (5) Fill & Drain valve 1/2"
- (6) Full coupling 1"
- (7) Plug 1"
- (8) Reducer 1" x 3/4"
- (9) Elbow 3/4"
- (10) Water quantity counter (rotatable) 3/4" with screw coupling
- (11) Regulating valve with automatic flow regulation

### To be supplied by customer:

- (1) Butt weld coupling or T-fitting for 1" supply line connection
- (2) Supply line pump with pump ball valve, not speed-regulated, switched together with water circulating pump
- (12) Butt weld coupling or T-fitting for 3/4" outlet connection

### Manufacturer / Supplier:

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