

magnetic[®] HWR 100 plus incl. connecting kit

heating water regulator

Description:

The reaction vessel HWR 100 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 100 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.

Usage temperature	max. 90° C
Operating pressure	6 bar
Testing pressure	10 bar

Rating for use in heating systems

type code	system volume* max	estimated volume**	installation	item no.
HWR 100 plus	35 m ³	~ 18,5 l/kW FH*** ~ 12 l/kW radiators	floor	888 187

* 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

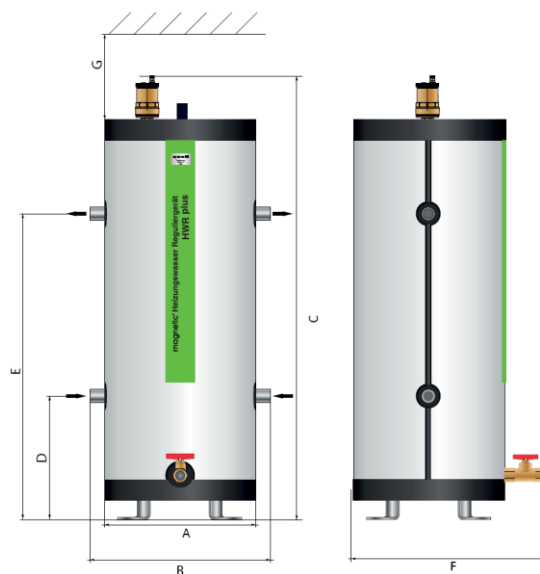
*** Floor heating

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		
A	Diameter	370
B	Width incl. connecting pipes	403,5
C	Total height	1210
D	Bottom – inlet centre	295,5
E	Bottom – outlet centre	895,5
F	Depth incl. ball valve	460
G	Min. clearance	1000
inlet, bottom / outlet, top		1"



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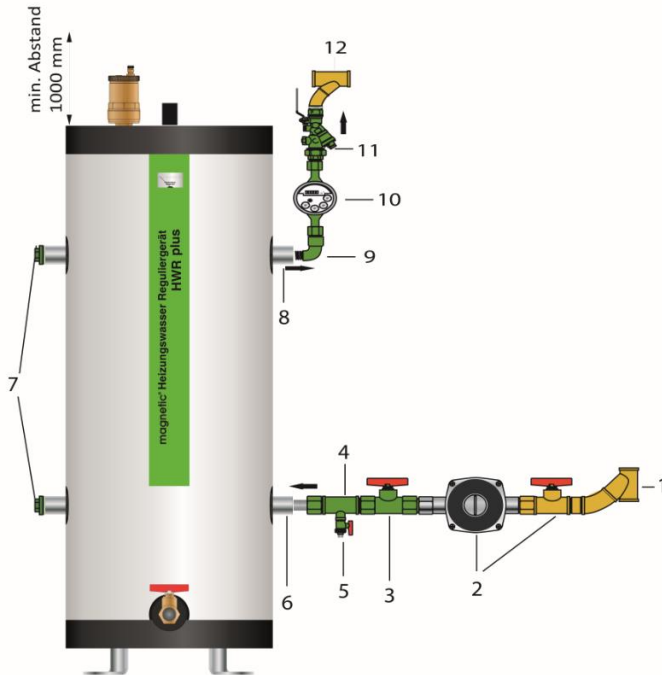
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Accessories included in the scope of supply:

- 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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