

elector M25

Reaction tank for electrochemical water conditioning

Description

The elector M25 reaction tanks are used for electrochemical treatment of heating and cooling water and are an ideal protection device for closed water systems against water-side corrosion without the addition of chemical corrosion inhibitors. The main function of the elector is an electrochemical treatment of water, which stabilises the pH, scavenges oxygen and purifies the water. This contributes decisively to the quality of the water, allowing corrosion protection of the metals in the system by formation of natural stable layers.

Field of use	Water conditioning in closed water systems, such as heating and cooling systems.
Operating temperature	max. 90°C
Operating pressure	6 bar
Test pressure	10 bar
Tank material	Stainless steel 1.4401 (V4A) / 1.4307 (V2A)),
Insulation	pickled and passivated HT/ARMAFLEX 19 mm, aluminum composite jacket

Selection guide

Model	System volume* max.	Volume estimated**	Assembly	Item no.
elector M25	Heatingwater -5.0m ³ Coolingwater -2.5m ³	~18.5 l/kW Underfloor ~12 l/kW Radiators	Floor	14050

* Without consideration of buffer tanks.

** For old systems with new boilers add approx. 20% to the heating power

Scope of delivery

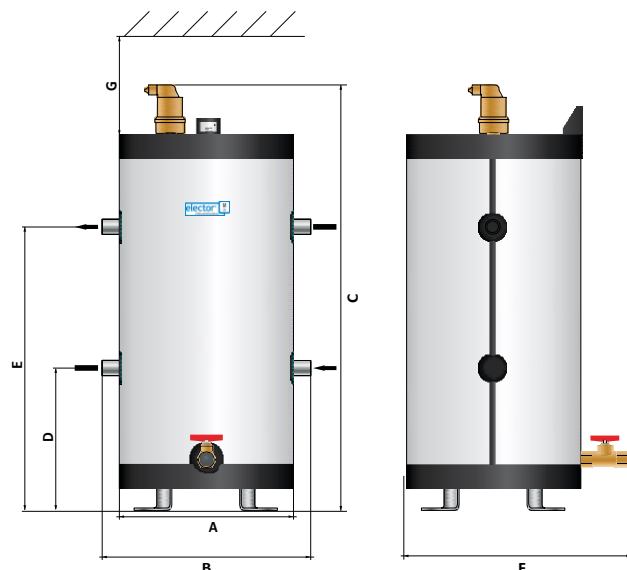
- elector M25 reaction tank incl. connection set for installation in bypass.

Note for installation

- The device is for installation in bypass, connection should be not less than a 1" tube.
- The nominal flow is to be adjusted to 5 liters per minute.
- Material on site: 1" feed pump with ball valve.
(eg Wilo Stratos PICO 25/1-4 in control mode differential pressure constant).
- Please refer to the elector user manual.

Dimensions

Dimensions in mm		
A	Diameter	366.5
B	Width, incl. connection	383.5
C	Total height	915
D	Floor - Center inlet	295
E	Floor - Center outlet	595
F	Width incl. Ball valve	465
G	min. distance	400
Inlet-bottom / Outlet-top		1"



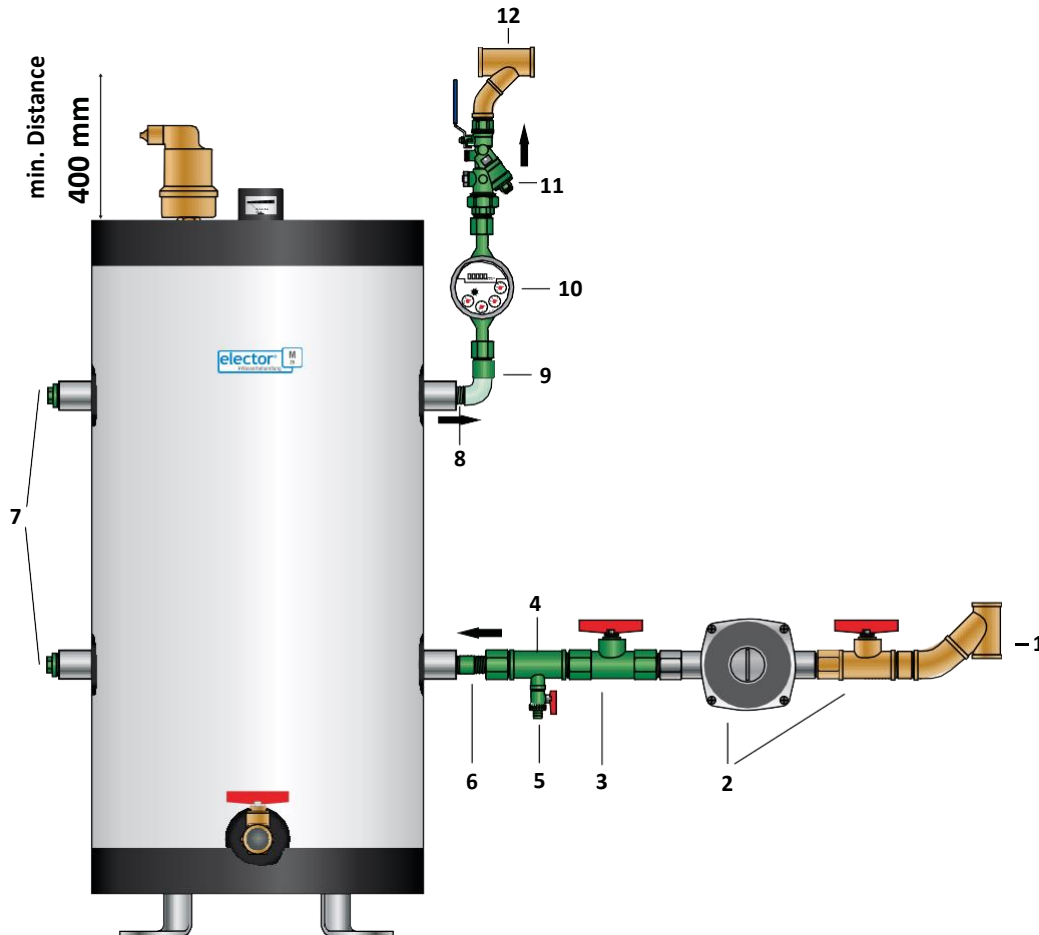
Compatible spare parts

- elector magnesium anode suitable for elector M25, incl. gasket (Article no. 52050)



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Installation principle including connection set



To be provided on site:

- (1) T-piece or weld on connection for 1" feed line connection
- (2) If applicable 1" feed pump with ball valve (eg Wilo Stratos PICO 25/1-4 in control mode differential pressure constant) forced into line with the main circulation pump.
- (12) T-piece or weld on connection for 1" feed line connection

Included in the supplied connection kit:

- (3) Ball valve 1"
- (4) T-piece 1" x 1" x 1/2"
- (5) Drain valve 1/2"
- (6) Double nipple 1"
- (7) Blind plug 1"
- (8) Reduction 1" x 3/4"
- (9) Elbow 3/4"
- (10) Water meter 3/4" incl. fitting
- (11) Automatic flow regulator with ball valve

Connection option

The need for a feed pump (2) depends on the installation site. Please refer to the installation sketches in the user manual.

Optional supplement

In systems with a high oxygen ingress the installation of a microbubble separator in the flow after the boiler is a useful addition. In case of a large amount of circulating particles we recommend the installation of a depth filtration unit or a magnetic dirt separator.

Adjust flow rate:

Factory preset 5 liters per minute via automatic flow regulator (11).