

E-mini instant water heater MBH



Application areas

Single point supply:

- > Washbasin
- > Sanitary facilities in commercial buildings
- > Kitchenette (MBH 6 or MBH 7)



E-mini instant water heater

MBH

Product information



Energy efficiency class A (Scale: A+ to F)	☕	☕	☕ ☕	☕ ☕
	MBH 3	MBH 4	MBH 6	MBH 7
Part number:	1500-16003	1500-16004	1500-16006	1500-16007
Type:	closed-outlet			
Maximum operating pressure [MPa (bar)]:	1 (10)			
Water connections (thread connections):	G $\frac{3}{8}$ "			
Hot water output at $\Delta t = 25\text{ K}$ ¹⁾ [l/min]:	2.0	2.5	3.3	3.7
Switch-on flow rate / max. flow rate ²⁾ [l/min]:	1.3 / 2.0	1.8 / 2.5	2.2 / 3.3	2.4 / 3.7
Nominal power rating [kW]:	3.5	4.4	5.7	6.5
Supply voltage [1~ / N / PE 230 V AC]:	☑ with plug ³⁾	☑ permanent connection	☑ permanent connection	
Supply voltage [2~ / PE 400 V AC]:				☑ permanent connection
Nominal current [A]:	15	19	25	16
Required cable diameter [mm ²]:	1.5	2.5	4.0	2.5
Bare wire heating system IES [®] :	✓			
VDE approved / Protection class:	✓ / IP 25			
Specific water resistance at 15 °C [Ωcm] \geq :	1100			
Nominal volume [litres]:	0.2			
Weight filled with water [kg]:	approx. 1.5			
Dimensions (height × width × depth) [cm]:	13.5 × 18.6 × 8.7			

1) Temperature increase e.g. from 15 °C to 40 °C 2) Limited flow amount for optimal temperature increase. Can be adjusted via water amount adjustment. 3) Also available as MBH3 (E) [part no.: 1500-160032] with power supply cable for permanent connection

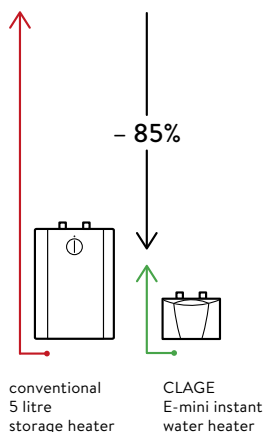
Description

- > Hydraulically controlled instant water heater (undersink model) with compact design for the energy-efficient hot water supply for a washbasin or a kitchenette
- > The full heating capacity turns on automatically
- > Efficient flow technology for an optimum water jet and economical water consumption
- > The efficient bare wire heating system IES[®] with replaceable heating cartridge provides an extended service life and easy maintenance
- > Unvented design
- > Connection kit (T-piece and flexible pressure hose) for an angle valve is included
- > Aerator insert for tap adapter M22/24 at the tap is included

Profitability comparison (Source: www.clage.com)

Saves up to 85 % energy compared to conventional small storage heaters.

The E-compact instant water heater features an economical operation. The water is heated directly as it flows through the unit. Hot water is not stored in a tank, which saves standby energy that would be otherwise required.



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Installation





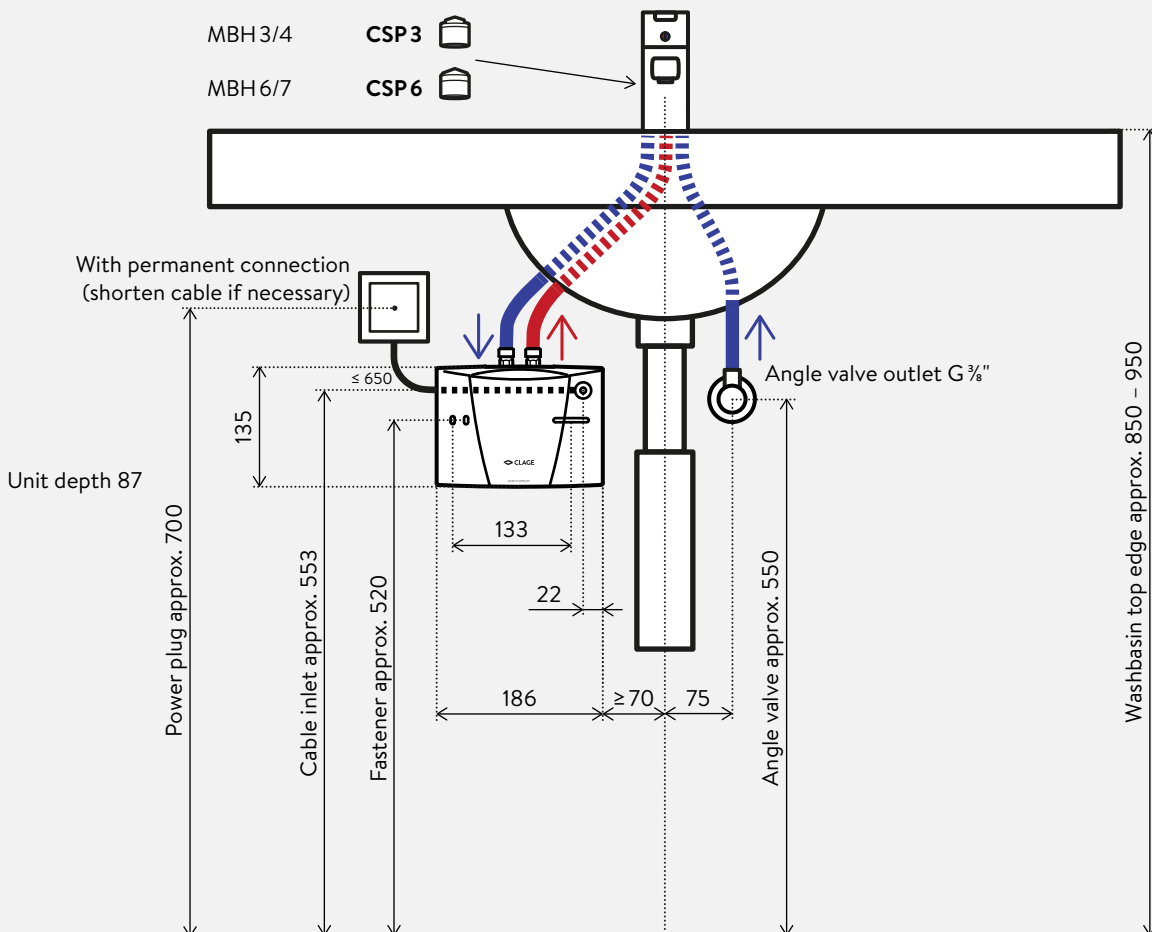
Example of an **open-outlet** installation

Measurements in mm

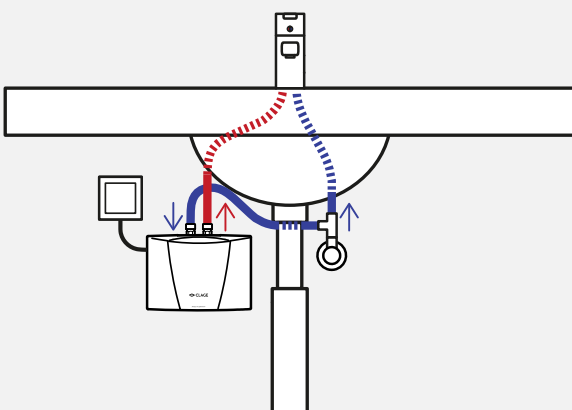
Assembly and operating instructions must be observed upon installation.

Using the aerator (included):

- MBH 3/4 **CSP 3** 
- MBH 6/7 **CSP 6** 



Alternative installation with **closed-outlet** tap.





Accessory for undersink installation (included)

FVS

Flexible connecting hose $\frac{3}{8}$ inch cap nut \times $\frac{3}{8}$ inch cap nut,
length 50 cm

Part no. 89620

T-piece

Special T-connector $\frac{3}{8}$ inch cap nut \times $\frac{3}{8}$ inch angle valve 10 mm

Part no. 89610



Aerator CSP 3 or CSP 6 (included)

The aerator at the tap supports the energy- and water-saving operation of the compact instant water heater. The new special CSP aerators mix air into the water and thus create a uniform water stream that does not splatter but softly cascades down.

Aerator insert for tap adapter M22/24 at the tap

CSP 3 (< 2 l / min): Part no. 0010-00421

CSP 6 (< 3.5 l / min): Part no. 0010-00461