

# 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 <b>A</b> (Scale: A+ to F)            | <b>MBH 3</b>              | <b>MBH 4</b>           | <b>MBH 6</b>           | <b>MBH 7</b>           |
| 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 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 <sup>2)</sup> [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 <sup>3)</sup> | 🔌 permanent connection | 🔌 permanent connection |                        |
| Supply voltage [2~ / PE 400 V AC]:                           |                           |                        |                        | 🔌 permanent connection |
| Nominal current [A]:                                         | 15                        | 19                     | 25                     | 16                     |
| Required cable diameter [mm <sup>2</sup> ]:                  | 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 [ $\Omega\text{cm}$ ] ≥ : | 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 MBH 3 (E) [part no.: 1500-160032] with power supply cable for permanent connection

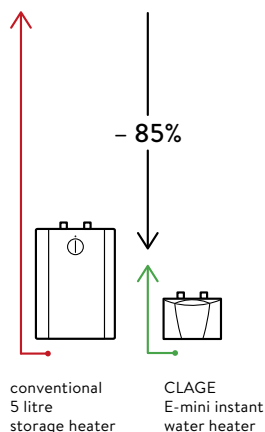
#### Description

- > 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 M 22/24 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.



# E-mini instant water heater

## MBH

### Installation



Example of an **open-outlet** installation

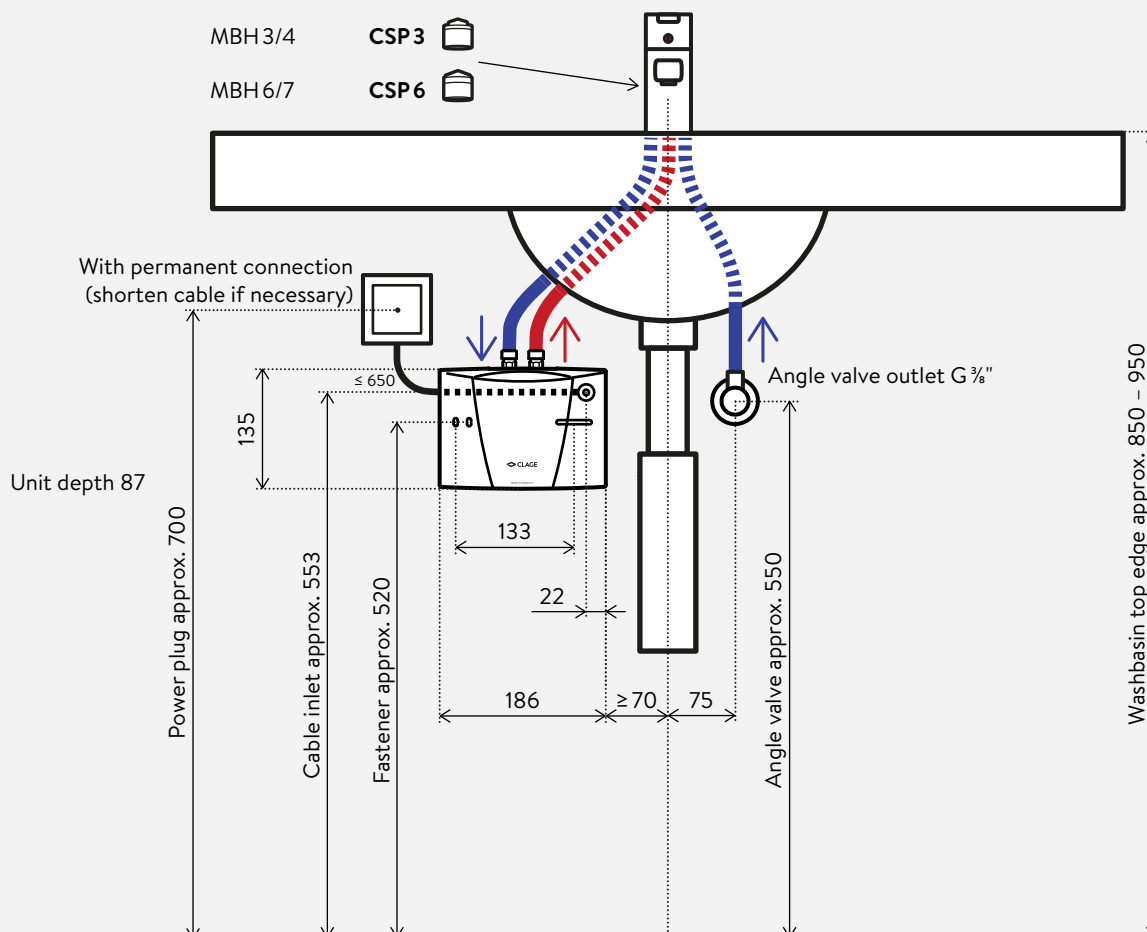
Measurements in mm

Assembly and operating instructions must be observed upon installation.

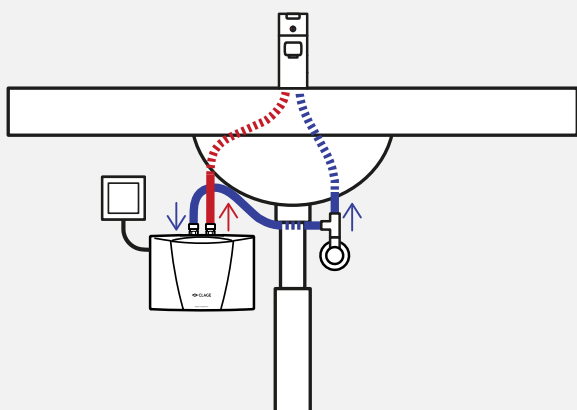
Using the aerator (included):

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