

E-mini instant water heater MBX Lumino



Application areas

Single point supply:

- > Washbasin
- > High-end washroom facilities
- > Public washroom facilities



E-mini instant water heater

MBX Lumino

Product information



| | Energy efficiency class A (Scale: A+ to F) | | |
|---|---|------------------------|------------------------|
| | MBX 3 Lumino | MBX 3 (E) Lumino | MBX 7 Lumino |
| Part number: | 1500-15113 | 1500-151132 | 1500-15117 |
| Type: | closed-outlet | | |
| Maximum operating pressure [MPa (bar)]: | 1 (10) | | |
| Water connections (thread connections): | G $\frac{3}{8}$ " | | |
| User set temperature [°C]: | 20 – 42 | | |
| Hot water output at $\Delta t = 25\text{K}^1$ [l/min]: | 2.0 | 2.0 | 3.7 |
| Switch-on flow rate / max. flow rate ²⁾ [l/min]: | 1.2 / 1.9 | 1.2 / 1.9 | 1.5 / 3.5 |
| Nominal power rating [kW]: | 3.5 | 3.5 | 6.5 |
| Voltage instant water heater [1~ / N / PE 220 – 240 V AC]: | ☺ with plug | ☺ permanent connection | |
| Voltage instant water heater [2~ / PE 400 V AC]: | | | ☺ permanent connection |
| Voltage tap [1~ / N / PE 220 – 240 V AC]: | ☺ with power supply | ☺ with power supply | ☺ with power supply |
| Nominal current [A]: | 15 | 15 | 16 |
| Required cable diameter [mm ²]: | 1.5 | 1.5 | 2.5 |
| Bare wire heating system IES®: | ✓ | | |
| Ready for Smart Control: | ✓ ☑ (optional) | | |
| Ready for FX wireless remote control: | ✓ 📶 (optional) | | |
| VDE approved / Protection class / Standards: | ✓ / IP 25 / DIN EN 200; P-IX 9575 / IA | | |
| 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

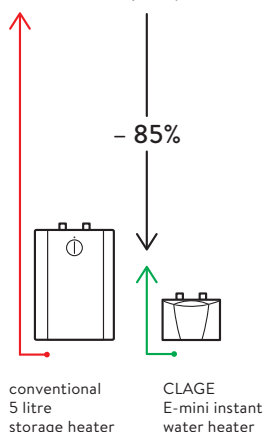
Description

- > Electronically controlled instant water heater (undersink model) with sensor tap for hygienic and efficient hand-washing
- > An infrared touch-free sensor at the tap turns the water on and off. The water temperature can be continuously adjusted with a lever at the tap. The temperature is controlled electronically by the instant water heater without having to add cold water.
- > A colour LED ring*¹ visualises the chosen temperature from red = warm (lever forward) to blue = cold (lever back)
- > Optional hygiene flush (automatic flush every 12, 24 or 48 hours)
- > The integrated electronic controls of the instant water heater ensure ideal temperatures and economical energy use
- > The efficient bare wire heating system IES® with replaceable heating cartridge provides an extended service life and easy maintenance
- > With plug (3.5 kW) or permanent connection (6.5 kW), length: \leq 65 cm
- > Unvented design
- > Can also be controlled via tablet or smartphone (iOS 9*² or higher / Android-OS 4.4 or higher, FXE3 adapter and the »Smart Control« app required)

Profitability comparison (Source: www.clage.com)

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

The E-mini instant water heater is convincing due to its small size and 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. The comparison clearly shows the annual savings potential of the instantaneous water heater, as the heat losses of a storage tank can be higher than the useful energy required for washing hands.



*1) The color LED ring can be deactivated for economical operation *2) iOS is a registered trademark of Apple Inc. Subject to technical changes and version changes. Errors and omissions excepted. Date of publication: 09.24

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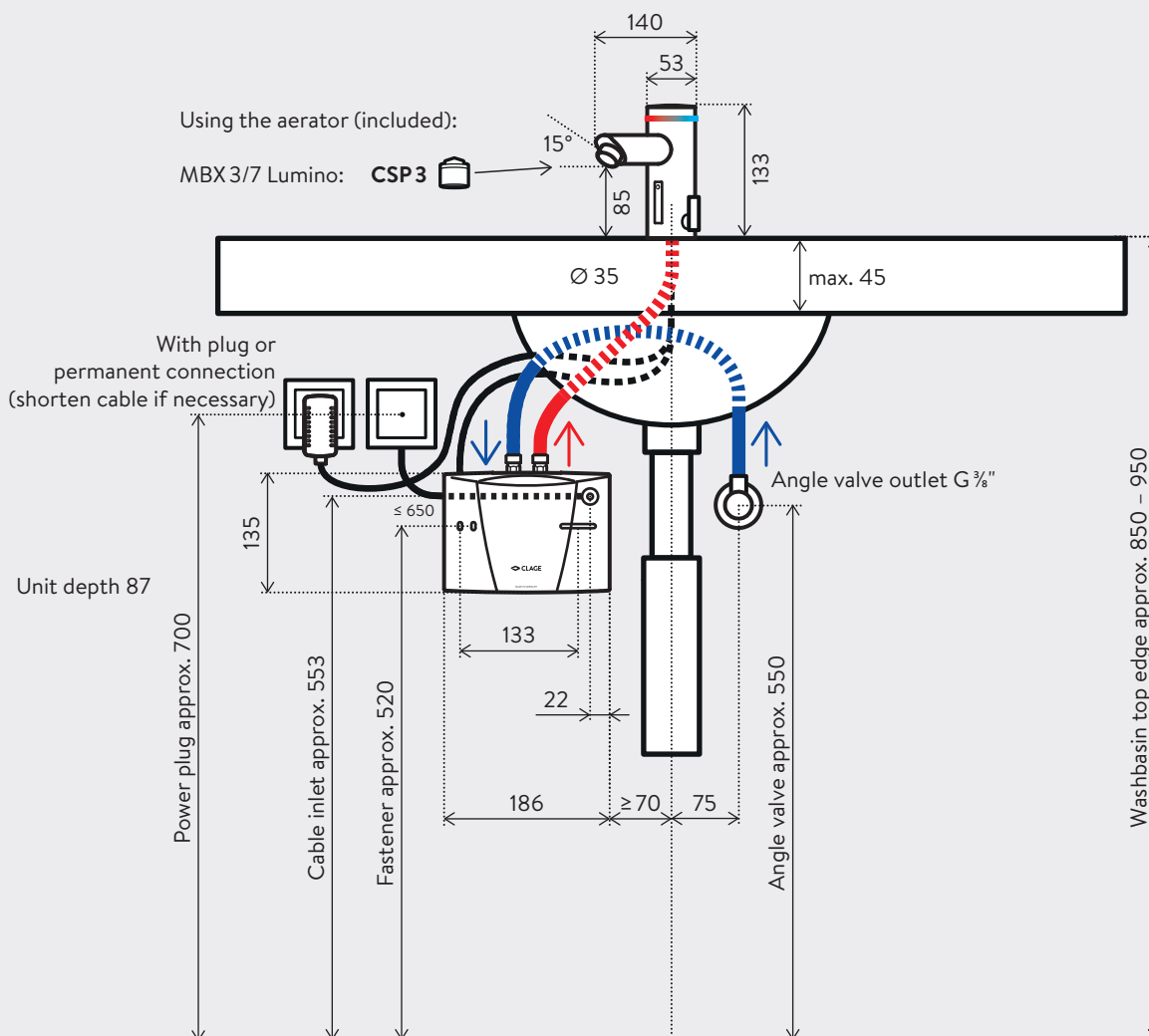
Installation



Sample installation

Measurements in mm

Assembly and operating instructions must be observed upon installation.



Tap Lumino with LED ring

The LED coloured ring indicates the currently selected temperature in a seamless progression from blue (cold) to red (hot). That way, the user can tell at a glance whether to expect cold or hot water.



Hot setting

Red LED ring

Medium setting

White LED ring

Cold setting

Blue LED ring



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



Aerator CSP3 (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

CSP3 (< 2 l/min): Part no. 0010-00421



FXS3 (D, M) remote control set (optional)

FX3 remote control including Bluetooth® remote control adapter FXE3 for integration into the instantaneous water heater as a set. In addition to the operation at the device, the remote control allows the comfortable temperature adjustment of the instantaneous water heater over a distance of approx. 10 metres in the building. Secure Bluetooth® radio transmission, stepless temperature selection via two buttons, two fixed value buttons and an LCD display, magnetic wall bracket and batteries (included in delivery).

IP 20. Dimensions (H \times B \times T): 5.8 \times 12.5 \times 1.9 cm

FXS3 (D, M): Part no. 3200-34020



FXE3 (D, M) remote control adapter (optional)

Bluetooth® remote control adapter for integration into the instantaneous water heater to connect the water heater to a smartphone / tablet or the FX3 remote control. This adapter is required if the appliances are not yet equipped with an FX3 remote control.

FXE3 (D, M): Part no. 3200-34022

