

# 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 <b>A</b> (Scale: A+ to F)	Energy efficiency class <b>A</b> (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 <sup>2)</sup> [l/min]:	1.2 / 2.0	1.2 / 2.0	1.5 / 3.7
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 <sup>2</sup> ]:	1.5	1.5	2.5
Bare wire heating system IES <sup>®</sup> :	✓		
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 [ $\Omega\text{cm}$ ] $\geq$ :	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.

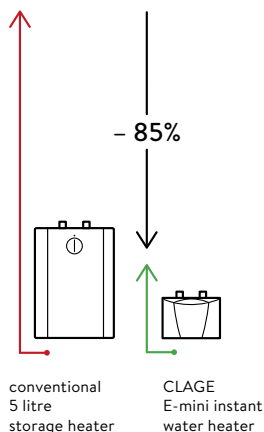
#### Description

- > 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\*<sup>1</sup> 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<sup>®</sup> 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\*<sup>2</sup> or higher / Android-OS 4.4 or higher, FXE adapter, CLAGE Home Server 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-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.



\*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: 01.19

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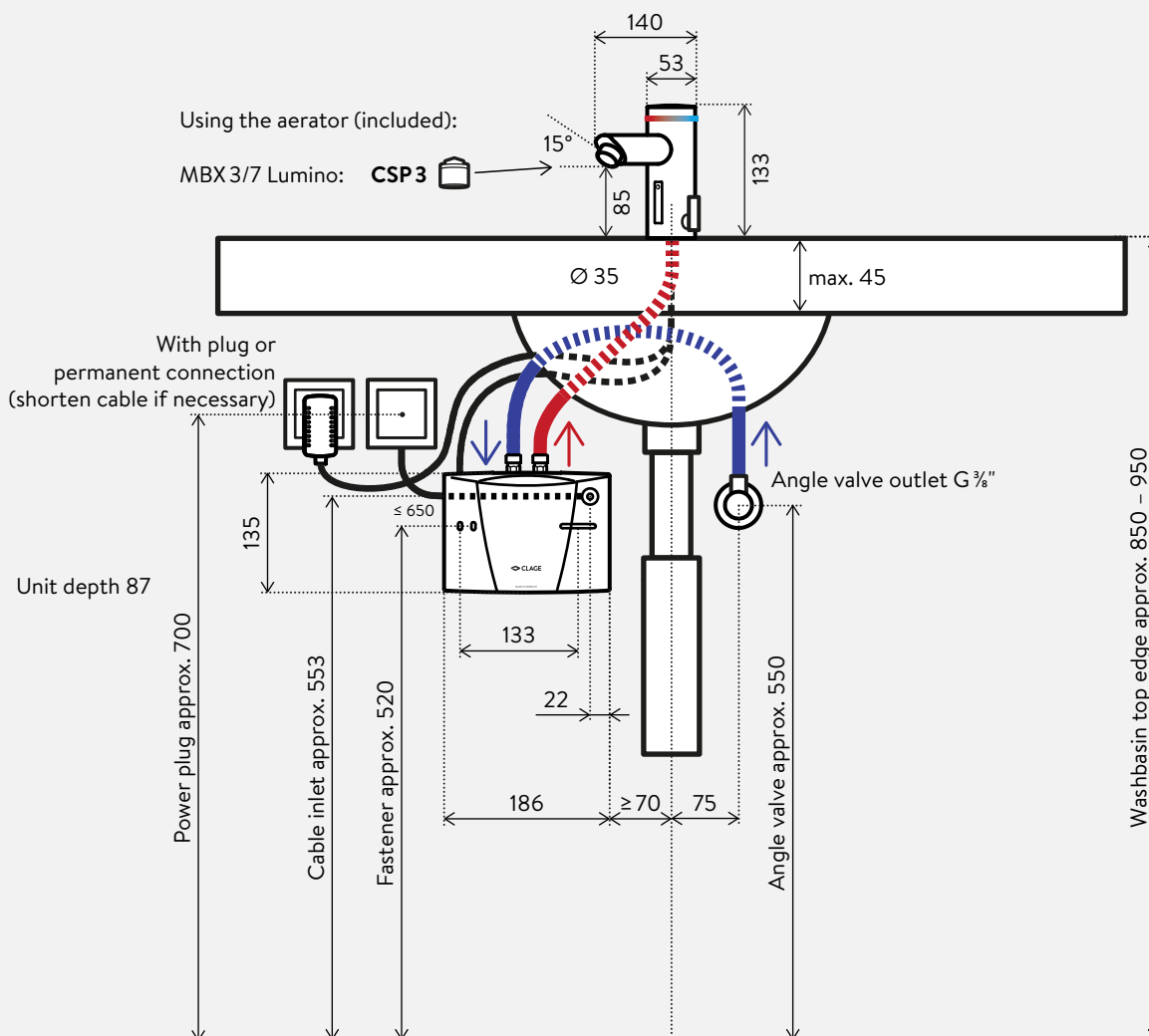
### Installation



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