

**Electronically controlled  
instantaneous water heaters**







4 >

Energy efficiency is our motto.

CLAGE

E-mini instant water heaters provide the most efficient method for handwashing.



E-comfort instant water heaters turn your shower and bathroom into a real yet efficient spa area.

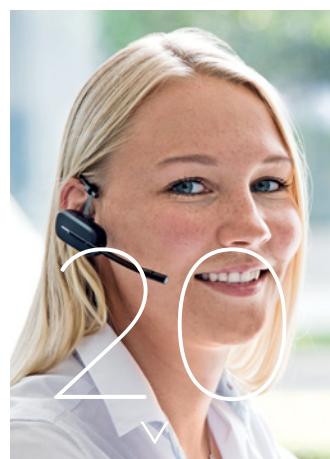
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## PRODUCTS

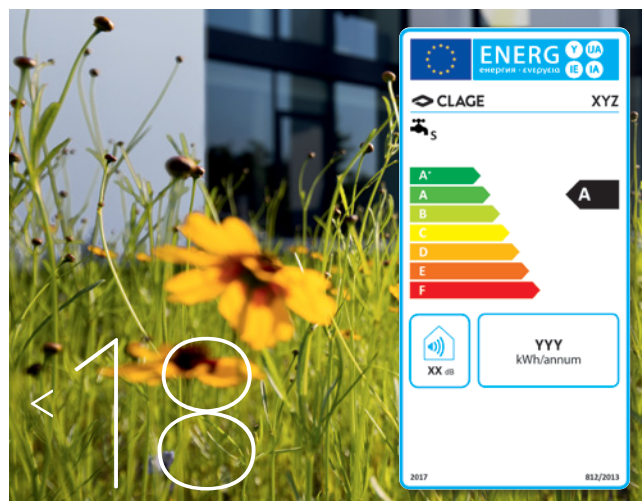
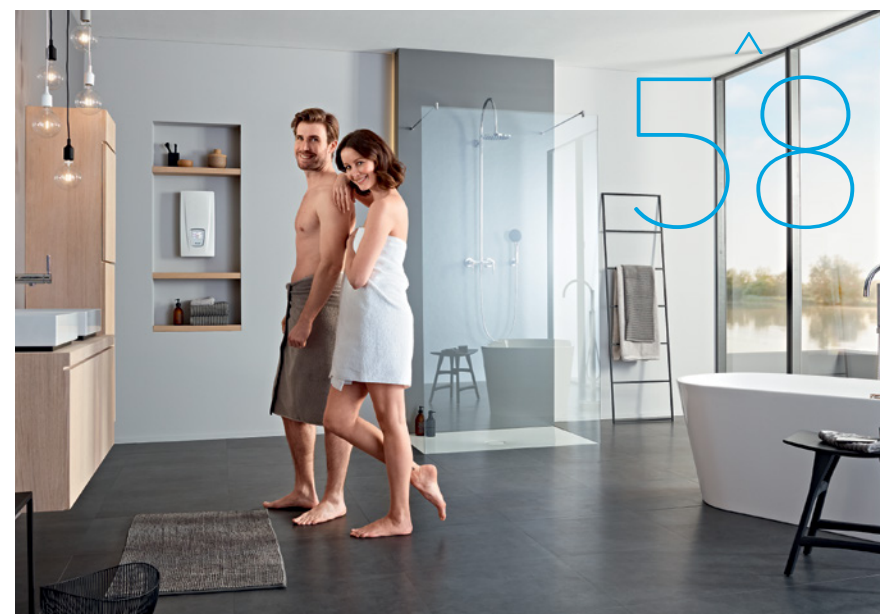
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For us, good service means to be flexible and close to the customer.



E-compact instant water heaters provide more efficiency and convenience in the kitchen.



The new European energy efficiency label. Class A for our instant water heaters!

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Control your warm water supply with the iPad and smartphone or connect the units via modern KNX technology.



“Energy efficiency is our motto.”



### Made in Germany

In 1951, Claus-Holmer Gerdes started selling mini instant water heaters. Today, we are a third-generation, owner-managed mid-size industrial company in the northern German Hanseatic city of Lüneburg. Around 290 employees work in the areas of R&D, production, sales and customer service. All of them pursue the goal of first-class quality in compliance with the ISO 9001:2015 quality standard.

### Efficiency

The “E” in CLAGE is accentuated because it stands for efficiency. A criterion that decisively describes our actions for your benefit. You can choose from an extensive range of energy-efficient appliances that stand out for their clever technology, small size and robust construction. And this also corresponds to the way we work. This means that our customers are always “close” to our competent and well-trained employees.

### Flexibility

We don’t simply want to sell you “a water heater” but we are offering energy-efficient, decentralised hot water solutions. This also requires a high degree of flexibility to be able to offer individual solutions. And we are aiming for many goals: Conserving energy and water, convenience, hygiene, durable products, simple installation and operation, fast and reliable service. Of course, smart technology is a given.

### Responsibility

At CLAGE, it is easy to notice personal responsibility because of our great passion for everything we do. And it shows in our customer consultation and service as well. Durability is an important design feature, with components such as heating cartridges being easily replaceable in case of repair. Throughout the company, we pay attention to sustainability and continuously put our processes to the test. To this end, we comply with the ISO 14001 environmental management standard and have been climate-neutral according to Scope 1 and 2 since 2021 through continuous energy savings and the use of renewable energies. We offset the CO<sub>2</sub> emissions that we are currently unable to save through certified climate protection projects.

### Specialist

As a pioneer and market leader for small instantaneous water heaters, we also see ourselves as thought leaders in the field of decentralised hot water supply. We are therefore constantly on the lookout for new solutions for our range of electric instantaneous water heaters. Numerous awards and a high level of customer satisfaction are confirmation of our claim to be the experts for electric instantaneous water heaters.

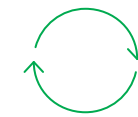
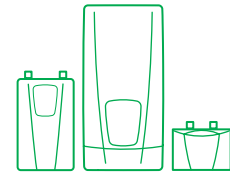
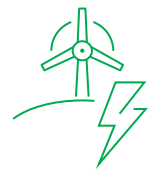
 Made in Germany



“Electric instant water heaters are the future!”

# So why without electricity?!

# Electricity makes it efficient!



1

2

3

4

5

6

## Electricity is getting “greener”

In the course of the energy transition, electricity is increasingly being used as a sustainable energy, for example in e-mobility. Electric domestic heating technology is also playing an increasingly important role in the heating market. This is because it makes us less dependent on fossil fuels and allows us to use environmental energy. Almost half of electricity consumption already comes from renewable energies.

## Separating heating and hot water

The heating requirements of buildings are steadily decreasing. And providing 60 degrees Celsius only for hot water is a waste of energy. So it seems to make sense to separate the two systems. A heat pump for space heating, for example, works optimally in the low-temperature range if the hot water supply is separated according to demand via electric instantaneous water heaters.

## Electric instant water heaters are the future

They are comfortable, space-saving and provide hot water immediately. They heat the water only to the desired temperature. Storing and distributing hot water in the house with inevitable heat losses is completely unnecessary.

## Sustainable, efficient and economical

This means avoiding losses and only producing what is actually needed. To do this, we use green electricity, i.e. electrical energy from environmentally friendly renewable energy sources. We for the production and you, if possible, for the use of the appliances.

## Replace old devices and plan for new ones

So what are you waiting for? Become an energy saver and update your outdated technology. Include electric instant water heaters when you start planning your next bathroom remodeling project.

## CLAGE is the specialist

When you choose electric instant water heaters, you'll soon encounter CLAGE, because we are pioneers in the area of hot water systems and also provide excellent customer service.



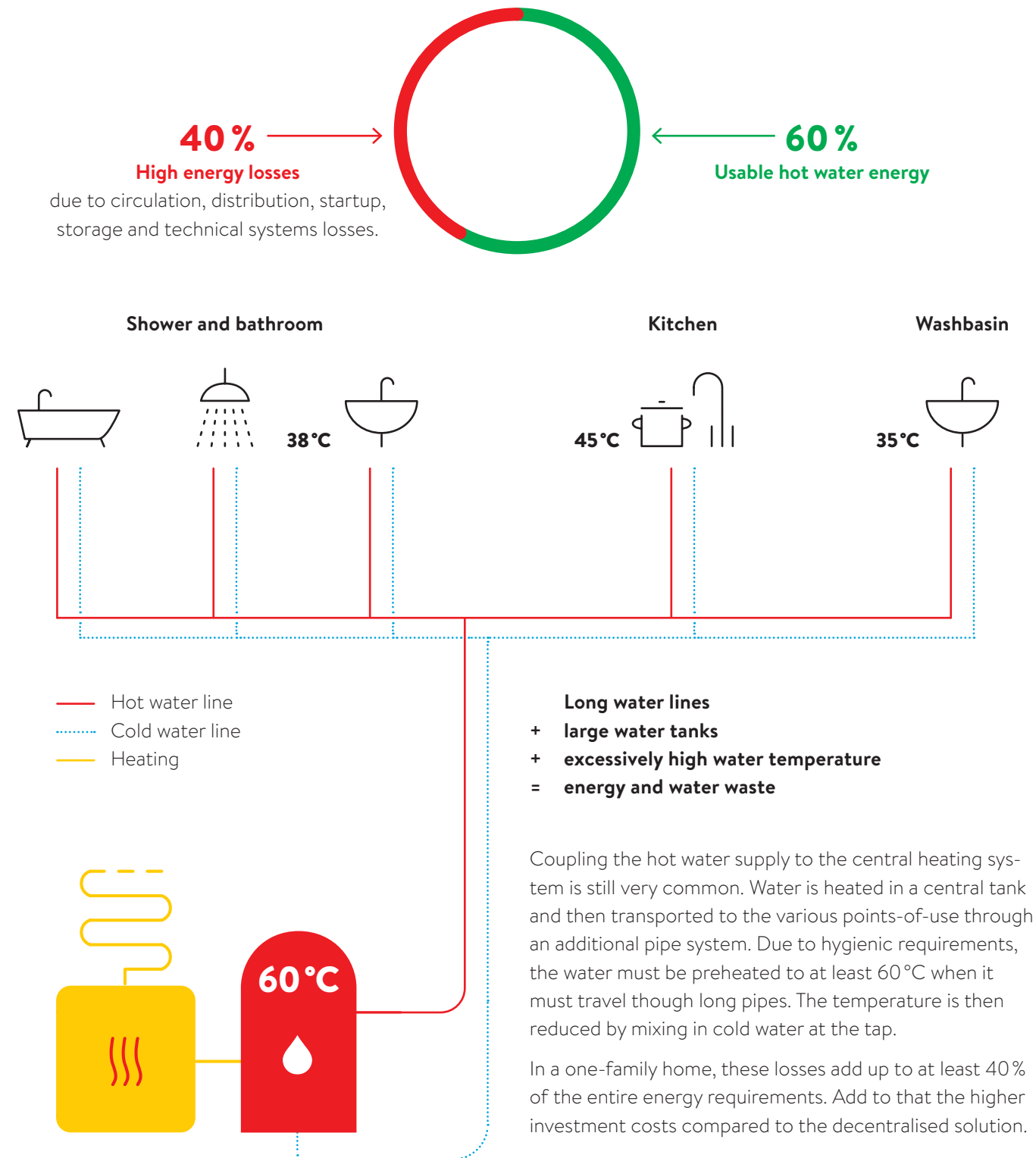
Corporate film watch:



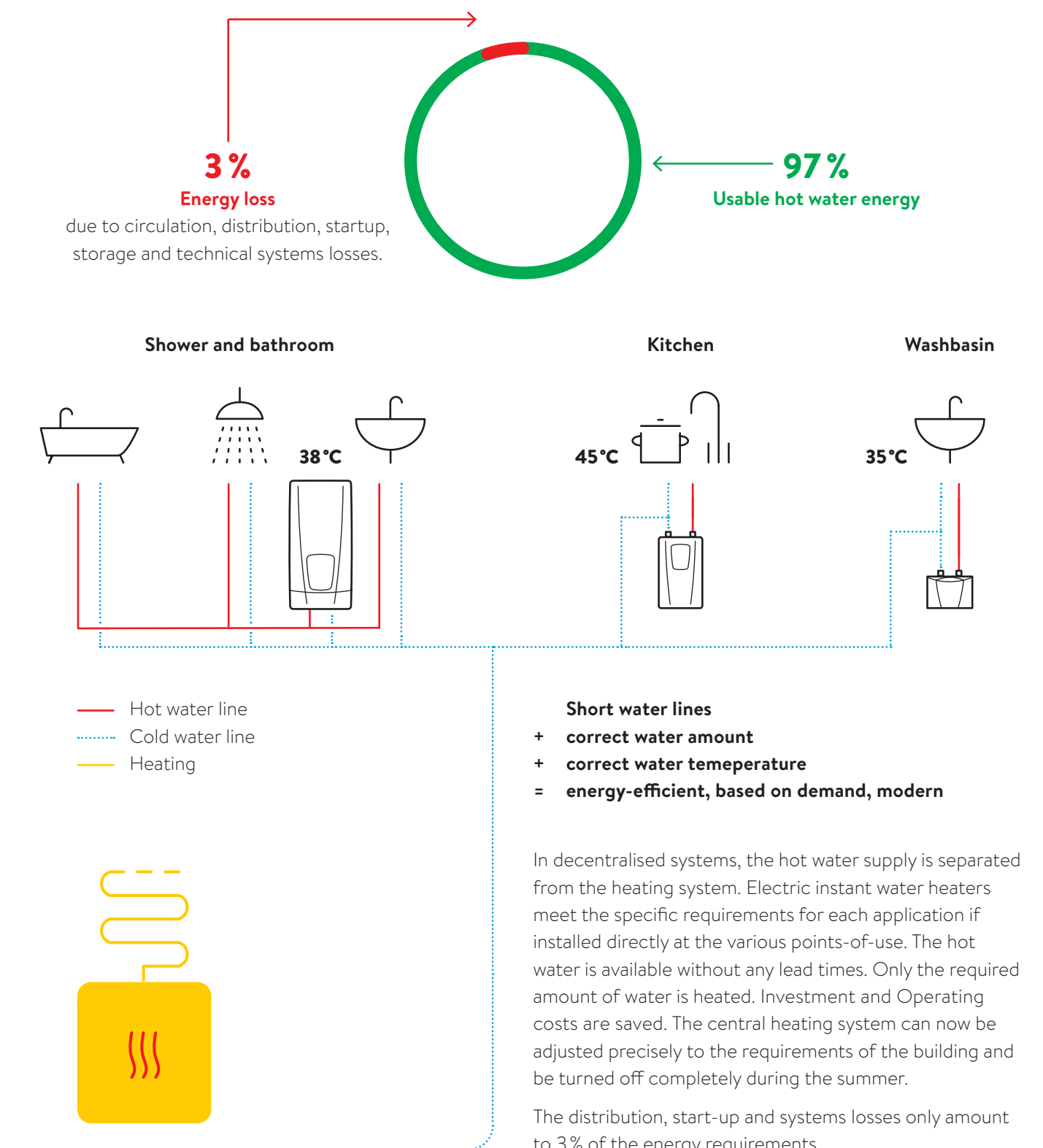
# Centralised? Decentralised?

## It matters!

### Central hot water supply with high energy losses



### Decentralised hot water supply is energy-efficient







# Central or decentral?

Any questions?






# What is my own hot water requirement actually?





	 10 s	 2 l/min	 35 °C
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## Washbasin

Pleasantly tempered water is needed to wash hands in a relatively short time. Take a measurement: Washing hands often takes less than 10 seconds. It is therefore important to have hot water at the ideal temperature of 35 °C immediately, without having to mix it at the tap first. E-small instantaneous water heaters meet this requirement and supply washbasins, for example in private guest toilets or in restaurant and office buildings, in a particularly energy-saving way and with little effort. Our small devices are beautifully designed and are hardly noticeable under the washbasin or can be installed hidden.


 **Our solution:**  
E-mini instant water heater

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



	 2 min	 5 l/min	 48 °C
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## Kitchen

The need for hot water at the kitchen sink is manifold. Washing hands, filling a glass of water, cleaning fruit and vegetables or just washing a saucepan. These are applications that require different temperatures. More than 45 °C is already considered hot. So it's great to be able to set the desired temperature at the touch of a button and get it directly from the E-compact instantaneous water heater without adding cold water to the tap. The units can be installed directly under the sink to save space. This avoids pipe and heat losses.


 **Our solution:**  
E-compact instant water heater

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	 2 min	 3 l/min	 35 °C
	 5 min	 8 l/min	 38 °C
	 12 min	 10 l/min	 40 °C

## Shower and bathroom

Sensitivity is required in the bathroom, because the exact comfortable temperature varies from person to person, but is always close to the body temperature of 37 °C. That's why the water should flow at the desired temperature immediately after the tap is opened, without lengthy adjustment and mixing. At any time and for as long as you want. By the way, on average we only take a shower for 3 to 5 minutes, even though it usually seems longer to us. Our E-comfort instant water heaters can be conveniently set to the exact desired temperature and offer exactly the comfort we want in the shower and bathroom.

 **Our solution:**  
E-comfort instant water heater

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# That's how you make friends!



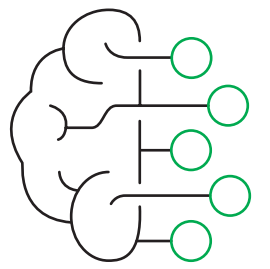
## Instantly hot water

As soon as you open the tap, the water flows with your desired temperature. The water is only heated in the amount and for the time you actually need it. Due to short water lines and modern technology.



## Saving energy

Electric instantaneous water heaters only heat the amount of water to the desired temperature that is currently required. Adding cold water to lower the temperature is not necessary. The water is not preheated and stored in large quantities. Standby and distribution losses are eliminated. This saves energy. Thanks to energy monitoring, "Eco" real-time feedback and energy-saving function, energy-saving user behaviour can also be promoted.



## Always smart

Electronically controlled instantaneous water heaters always respond precisely to the user's demand due to the technology and without a learning phase (real-time power control based on temperature demand and tapping quantity).



## Short water lines

Electric instant water heaters are installed directly at the point of use. Long water lines are avoided. Water is heated more quickly and there is barely any heat loss.

Convenience      Efficiency

CLEAN



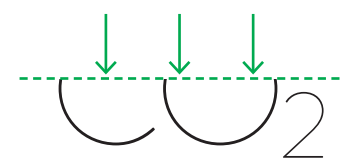
## More hygiene

Electric instant water heaters heat up the cold water to the perfect temperature within seconds, directly at the tap, as it flows through the unit. The heated water is used immediately and unused water is avoided in the water line systems. That's why testing for Legionella bacteria becomes unnecessary. This is what makes decentralised water heating more hygienic and efficient.



## Lowering costs

Electronic instant water heaters use up to 85% less energy than conventional storage heaters.



## CO<sub>2</sub> down

The share of renewable energies in the electricity mix is rising, thus also reducing CO<sub>2</sub> emissions, which are emissions generated by the conversion of fossil fuels. Decentralised hot water supply reduces CO<sub>2</sub> emissions compared to centralised hot water supply. compared to centralised gas or oil systems by up to 35%.



## Ideal temperature

On many units, each user can set his or her individual temperature preference precisely. Directly at the unit, by remote control or via app. This also provides more security by avoiding scalding accidents.



## Don't mix long, save water

Now that's cool! No water wasted. Hot water is available immediately with electric instantaneous water heaters. You don't have to mix cold water and water that is too hot to get the desired temperature. With central systems, approx. 4.8 litres of water are wasted in 15 m long pipes.



# Electric instant water heaters are used all over the world.

Our electric instant water heaters are utilised in private, business and public buildings all over the world. Owners, contractors, architects, developers and investors rely on our expertise and our special service in the area of energy-efficient hot water preparation. Our large range of products nearly always provides a fitting and smart solution for their hot water supply needs. You can find CLAGE products in renowned hotels, in office buildings, in modern architectural houses and all other places where one would not want to do without the convenience of an efficient hot water supply.

References are available at [clage.com](http://clage.com)



Photo: © Sebastian Glombik



## Private households

Electric instant water heaters are in use in nearly all residential properties: in one- and multi-family homes and, of course, in apartments as well. It makes a lot of sense to invest in decentralised warm water technology with modern electric instant water heaters, both in existing and in new buildings. At the washbasin, in the kitchen or in the bathroom: Electric instant water heaters provide more energy efficiency and convenience at home.

## Housing construction

For renovation projects in buildings with outdated technology, one of the main issues is modern and energy-efficient heating and hot water technology. In new construction projects, the demand for general heating is constantly reduced due to technical advancements. For the highest savings potential, central heating and the hot water supply should be completely separated. Electric instant water heaters are an energy-efficient and hygienic solution.

## Commercial buildings

E-mini instant water heaters at washbasins for employees, customers and visitors make each bathroom facility more comfortable. Our energy-efficient units directly at the point of use are the optimal solution in large buildings with long water lines.

## Hospitality

Electric instant water heaters are utilised in hotels, resorts and restaurants. You'll even find our Zip drinking water systems on cruise ships.

## Industry

Workplaces and employee showers can be equipped with our units. Our product line also features special units for particular requirements.

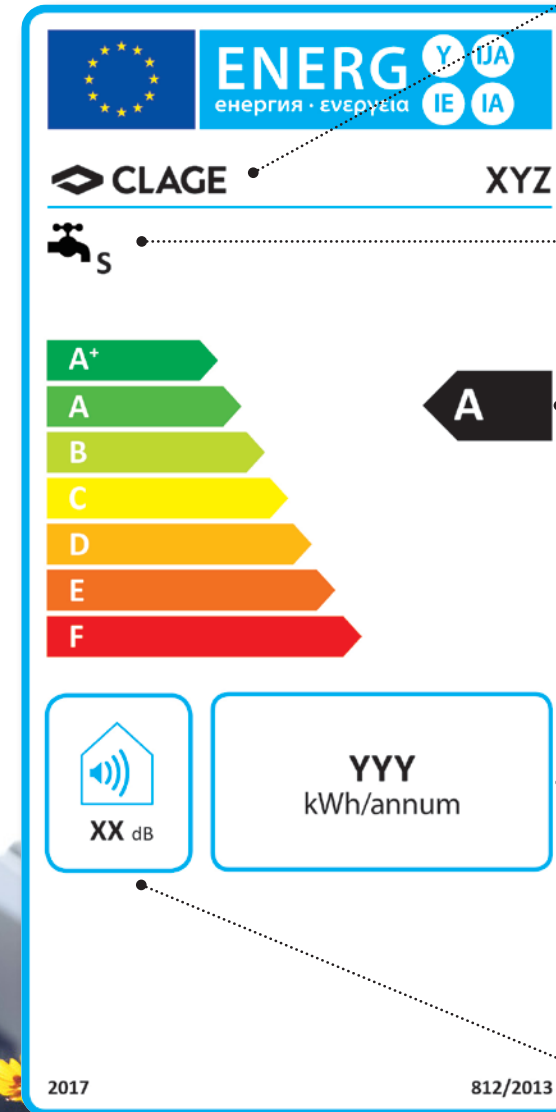
## Public buildings

Frequently used bathrooms in public areas should be equipped with efficient electric instant water heaters. In combination with the appropriate taps and faucets, they can provide optimum hygiene and corresponding savings.



# Aaaahhhh.

## Energy efficiency label class A for our instant water heaters.



### Manufacturer and product

### Dispensing profile

The required performance of the appliance is to be determined by the intended use. For example, a water flow of approx. 2 liters (tapping profile XXS) is required at the washbasin, approx. 5 liters (tapping profile XS) at the kitchen sink, and if there are several tapping points in the bathroom or in an apartment, a water flow of approx. 10 liters per minute is required (tapping profile S). With E-instant water heaters, power consumption - and thus energy consumption - is automatically controlled based on the desired temperature and water quantity set by the user (independent of defined tapping profiles). In addition, energy-saving user behavior can be supported by energy monitoring, "Eco" real-time feedback and energy-saving function.

### Energy efficiency class

The seven energy efficiency classes for household appliances correspond to the traffic light system. In a comparison of the various hot water systems, electric instantaneous water heaters perform according to the "Efficiency First" principle and are classified with the very good energy efficiency class A.

### Annual energy consumption

However, the energy efficiency class is not the only deciding factor but the detailed information on the label matters as well. Within each efficiency class, there are significant differences in energy use. The hot water unit should initially be selected according to its intended use - its tap profile. An important factor is the comparison of the annual energy consumption!

### Noise level during use

The noise level for all CLAGE instant water heaters is at a low 15 dB and thus hardly noticeable.

### By the way:

Did you know that the energy efficiency class not only considers the actual end-use energy efficiency of the appliance, but also the EU-wide energy mix and the (partly) still fossil energy generation? Some countries like Germany are well above the EU average in the share of renewable energy. In reality, instantaneous water heaters hence benefit from increasingly "green" electricity and are therefore even more efficient than shown on the energy label. It is best to operate the electric instantaneous water heater with green electricity to take a climate-neutral shower!

## Conclusion

The new energy labels for hot water units confirm that decentralised hot water supply with electronically controlled instant water heaters is one of the most energy-efficient technologies.

### Yes to renewable energy, No to less convenience.

Simply abandoning energy production from fossil energy sources is not enough, since the demand for technology and new household appliances is increasing constantly.

We all must contribute our share to make this a reality. And it is only possible with energy-efficient technology and corresponding appliances.



# “What can we do for you?”



## Application and technical advice

You will receive comprehensive product advice, on request also on site, from our office and field staff.



> Phone: +49 4131 8901-0  
> E-mail: [export@clage.de](mailto:export@clage.de)

## Object consulting

Our project team is at your disposal for tender recommendations, planning support and building owner advice. We are happy to support you from the initial enquiry to installation, even in the early planning or performance phases.



> Phone: +49 4131 8901-0  
> E-mail: [export@clage.de](mailto:export@clage.de)

## Customer service



### Telephone service

No call centre, but our customer service team in Lüneburg will be happy to advise you by telephone if you need help with installation or problem solving.

> Phone: +49 4131 8901-400



### Service and maintenance

Experienced and competent technicians help with installation, maintenance and service.



### On-site service

maintenance or repair, both by online form or by telephone.



### Spare parts delivery

For spare parts deliveries, simply call us, order the parts order the parts and have them sent to you.

## The special CLAGE service



### Device registration

For registered products, we have all device data at your fingertips. This also includes information for maintenance purposes, corresponding supplementary products or software updates.



### Training courses and seminars

More and more customers also want comprehensive advice from their specialist tradesman on the subject of energy efficiency. For example, we offer the training course “Energy-efficient hot water supply” in our CLAGE Academy.



### Marketing support

In order to make the world more and more energy efficient, we need our partners and the trade. We are happy to support with company presentations and outdoor advertising and link our partners online.



### Customer satisfaction

In order to continuously optimise our products and our service, we need your opinion. To this end, we regularly conduct customer satisfaction analyses.





# Mmmhhh... The M-series.

## E-mini instant water heater

An E-mini instant water heater is the most efficient hot water supply solution at the washbasin. The water is not preheated but is heated directly at the basin as it flows through the unit. This consistently avoids water line and heat losses.





# Energy savers at the washbasin.

E-mini instant water heater

For hygienic reasons, we wash our hands several times a day, but each washing only takes approx. 10 seconds. That's why this activity should be efficient, effective and comfortable, for example, water-saving convenience without adding cold water by the mixing tap.

## Advantages



### Lowers operating costs

Energy savings at the washbasin



### Saves space

Can hide away under every sink:  
14 × 19 × 9 cm



### Instantly at the right temperature

On demand and without waiting



### No dripping taps

There is no expansion water



### More hygiene

due to short water lines



### Environmentally friendly

Less water usage, less energy demand,  
less CO<sub>2</sub>



# At home, at the office, in public areas. Simply everywhere!

The range of uses for E-mini instant water heaters is very diverse: from commercial, industrial, office and administrative buildings to public wash-room facilities, doctor's offices, hotels and domestic guest bathrooms.



#### Space-saving installation >

E-mini instant water heaters can be easily used to save space in base cabinets.

E-mini instant water heaters are perfectly suited for use at sophisticated washbasins.



# I spy with my little eye. Something that is energy-efficient!

E-mini instant water heaters are an energy-saving solution. The water is not preheated and stored but only gets heated when it is needed.

You are not only saving water and energy but you are also saving space. Due to their small dimensions, the heaters are ideally suited for each room design and can also be used for small washbasins.

#### Nearly invisible >

E-mini instant water heaters are installed directly under the sink and are not visible at eye level, for example MCX with tap EWT.



#### Perfect for the pantry >

E-mini instant water heaters are also suitable for staff kitchens, for example, MCX7.





# The “old one” has to go!

Mini instant water heaters belong under the washbasin!

# All-round carefree sets!

Complete solutions with taps.

### Before >

A 5-litre storage tank is installed under the washbasin. It causes heat losses. It can easily be replaced by a ready-to-use E-mini instant water heater.



### After >

The energy-efficient E-mini instant water heater requires significantly less space, avoids heat losses, saves energy and provides more convenience.



### e.g. MBX Lumino >

E-mini instant water heater with Lumino sensor tap > page 34



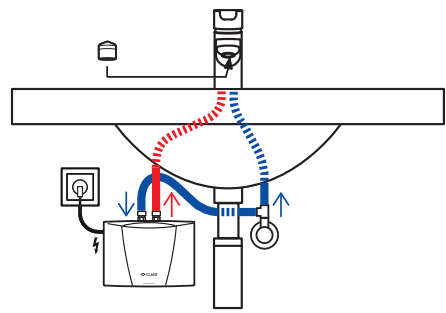
### e.g. MCX Blue >

E-mini instant water heater with special tap > page 33



# Please M\_ake a note.

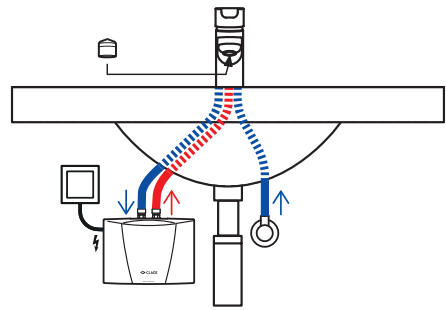
## Our M-series.



### Simple and fast installation

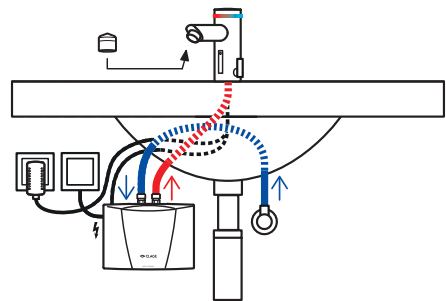
**MBH and MCX (unvented)** – These E-mini instant water heaters are approved for open- and unvented installation.

The included connection kit (T-piece with pressure hose) simplifies upgrades of conventional taps.



**M (vented)** – The vented M-series E-mini instant water heaters are easy and simple to install and particularly cost-effective.

Due to their design they are installed with special open-outlet taps. Warm water can be available with very little installation work.



### MBX Lumino (One-Pipe-System)

The set consisting of an electric instantaneous water heater and a touch-free tap ensures optimum hygiene at the washbasin.

One-pipe system: The tap has only one water supply pipe. This ensures complete flushing of all water paths with every use.

- Devices with 3.5 kW are ready to plug in
- Devices from 4 kW have a permanent connection

### Simple unit exchange

The wall mount provides a very simple slide-on installation without having to open the unit. It can be easily fitted to the connection openings of many existing older units during upgrade installations.



Installation video



### Quick connections

The high-grade materials of our lead-free and flexible water connections allow for simple installation and prevent linking or twisting of the supply line hoses.



### New flow technology with special aerator

The water stream is optimally formed while using low flow amounts. The special flow regulator for use in tap threads M 22 / 24 is included.



### Convenient and practical

All technical details are conveniently listed on the back of the removable rating plate cover. Removing the plate also provides access to the enclosure screw and the water flow regulator.

13.5 cm

18.6 cm

8.7 cm

**A**  
(Scale: A+ to F)

**Energy efficiency class A**

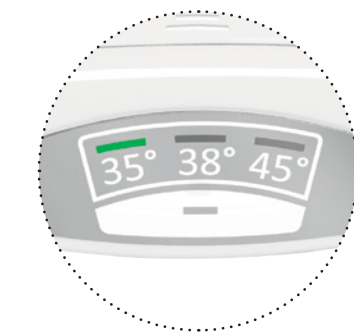
CLAGE  
MADE IN GERMANY

3D-View



### Technology "Made in Lüneburg"

High-quality electronic sensors and heating technology as well as adjustable controls and patented technology are the reason why E-mini instant water heaters are so efficient.



### Convenient operation with sensor button and colour LEDs

Pressing the sensor button sets the preferred temperature, which will then be indicated by discreetly glowing LEDs: 35 °C, 38 °C or 45 °C. The LEDs double as function and diagnosis indicators.

**Optionally, the unit can also be operated with the FX Next/FX 3 remote control or via the "Smart Control" control app.**



### Bare wire technology

The IES® heating system with replaceable heating cartridge ensures a sustainably longer service life, is efficient and easy to maintain. The water is heated just a few seconds after opening the tap.



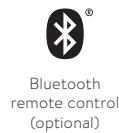
Smart energy efficiency.

## E-mini instant water heater MCX



Our top-of-the-line E-mini instant water heater combines great functionality with sophisticated design. Its compact design allows for installation under any sink.

- > **Electronically controlled instant water heater** with a compact design for energy-efficient hot water supply of a sink or a staff kitchen
- > **The heating output is electronically controlled.** This provides an ideal hot water temperature without the need to add cold water at the tap
- > **Touch button controls** with colour LEDs to set the outlet temperature to 35 °C, 38 °C or max. 45 °C
- > Connection kit (T-piece and flexible pressure hose) for an angle valve is included
- > Works with unvented and vented taps
- > **Use of the CLAGE “Smart Control” app is possible by retrofitting a Bluetooth adapter.**



Energy efficiency class **A** (Scale: A+ to F)

	MCX 3	MCX 4	MCX 6	MCX 7
Part number:	1500-15003	1500-15004	1500-15006	1500-15007
Maximum operating pressure [MPa (bar)]:	1 (10) <sup>1)</sup>			
Water connections (thread connections):	G 3/8"			
Hot water output at Δt = 25 K <sup>2)</sup> [l/min]:	2.0	2.5	3.3	3.7
Switch-on flow rate / max. flow rate <sup>3)</sup> [l/min]:	1.2 / 2.0	1.5 / 2.5	1.5 / 3.3	1.5 / 3.7
Nominal power rating <sup>4)</sup> [kW]:	3.5	4.4	5.7	6.5
Voltage [1~ / N / PE 220 – 240 V AC]:	⊕ with plug <sup>5)</sup>	⊕ permanent connection	⊕ permanent connection	
Voltage [2~ / PE 400 V AC]:				⊕ permanent connection
Nominal current <sup>4)</sup> [A]:	15	19	25	16
Required cable diameter [mm <sup>2</sup> ]:	1.5	2.5	4.0	2.5
Protection class:	IP 25			
Specific water resistance at 15 °C [Ωcm] ≥:	1100	800	800	1100
Weight filled with water [kg]:	approx. 1.5			

\* ) Inlet temperature ≤ 70 °C 1) Also approved for pressureless operation 2) Temperature increase e.g. from 15 °C to 40 °C 3) Limited flow amount for optimal temperature increase by water flow adjustment. 4) Related to rated voltage 230 V or 400 V 5) Also available as type MCX 3 (E) (part number 1500-15013) with power supply cable for permanent connection



The system solution for washbasins.

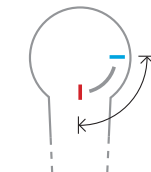
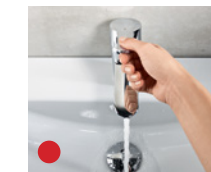
## E-mini instant water heater MCX Blue with tap EWT



“MCX Blue”, the combination of an E-mini instant water heater and a special tap, is the ideal system solution for the energy-efficient hot water supply of a washbasin.

- > **Electronically controlled instant water heater with innovative single-lever mixing tap** for energy-efficient hand-washing
- > **Touch button sensor controls** at the instant water heater to set the outlet temperature to 35 °C, 38 °C or max. 45 °C
- > Intuitive operation with perfect water temperature at the **middle position** of the control lever
- > **Saves water** because of intelligent flow technology and very short water supply lines
- > **Meets the highest requirements for drinking water hygiene** by separating water lines from the tap body as well as nickel- and lead-free materials
- > Very fast and simple system installation
- > Low-pressure fitting with **EASY FIX mounting system**, pull-up drain stopper and three flexible connection hoses 3/8 inch

### Perfect hand-wash temperature in the middle



The optimal lever position for energy-efficient warm water is in the middle (ideal temperature at 35 °C, 38 °C or max. 45 °C).



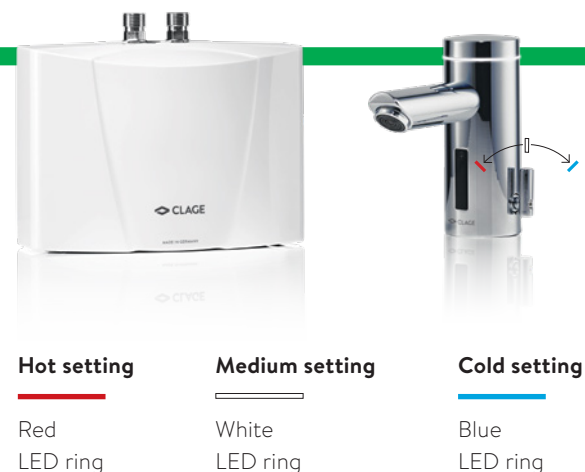
Energy efficiency class **A** (Scale: A+ to F)

	MCX Blue
Part number:	1500-15133
Maximum operating pressure [MPa (bar)]:	1 (10) <sup>1)</sup>
Water connections (thread connections):	G 3/8"
Hot water output at Δt = 25 K <sup>2)</sup> [l/min]:	2.0
Switch-on flow rate / max. flow rate <sup>3)</sup> [l/min]:	1.2 / 2.0
Nominal power rating <sup>4)</sup> [kW]:	3.5
Voltage [1~ / N / PE 220 – 240 V AC]:	⊕ with plug <sup>5)</sup>
Nominal current <sup>4)</sup> [A]:	15
Required cable diameter [mm <sup>2</sup> ]:	1.5
Protection class:	IP 25
Specific water resistance at 15 °C [Ωcm] ≥:	1100
Weight filled with water [kg]:	approx. 1.5

1) Also approved for pressureless operation 2) Temperature increase e.g. from 15 °C to 40 °C 3) Limited flow amount for optimal temperature increase by water flow adjustment. 4) Related to rated voltage 230 V 5) Also available as type MCX (E) Blue (part number 1500-151332) with power supply cable for permanent connection.

# Efficient hygiene with sensor tap.

## E-mini instant water heater MBX Lumino



The optimal solution to supply wash-room facilities in public commercial buildings with hygienic and energy-efficient warm water.

- > **Electronically controlled instant water heater 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** visualises the chosen temperature from red = warm to blue = cold
- > **One-pipe-system:** The tap has only one water supply pipe. This ensures complete flushing of all water paths with every use.
- > **Optional hygiene flush** (automatic flush every 12, 24 or 48 hours)



	Energy efficiency class <b>A</b> (Scale: A+ to F)	
	MBX 3 Lumino	MBX 7 Lumino
Part number:	1500-15113	1500-15117
Maximum operating pressure [MPa (bar)]:	1 (10) <sup>1)</sup>	
Water connections (thread connections):	G 3/8"	
Hot water output at $\Delta t = 25\text{ K}$ <sup>2)</sup> [l/min]:	2.0	3.7
Switch-on flow rate / max. flow rate <sup>3)</sup> [l/min]:	1.2 / 2.0	1.5 / 3.7
Nominal power rating <sup>4)</sup> [kW]:	3.5	6.5
Voltage [1~ / N / PE 220 – 240 V AC]:	☑ with plug <sup>5)</sup>	
Voltage [2~ / PE 400 V AC]:		☑ permanent connection
Voltage sensor tap [1~ / N / PE 220 – 240 V AC]:	☑ with plug	
Nominal current <sup>4)</sup> [A]:	15	16
Required cable diameter [mm <sup>2</sup> ]:	1.5	2.5
Protection class:	IP 25	
Specific water resistance at 15 °C [ $\Omega\text{cm}$ ] $\geq$ :	1100	
Weight filled with water [kg]:	approx. 1.5	

1) Also approved for pressureless operation 2) Temperature increase e.g. from 15 °C to 40 °C 3) Limited flow amount for optimal temperature increase by water flow adjustment. 4) Related to rated voltage 230 V or 400 V 5) Also available as type MBX 3 (E) Lumino (part number 1500-151132) with power supply cable for permanent connection.

# Efficient, attractive and economical.

## E-mini instant water heater MBH



The unvented E-mini instant water heater MBH is the energy-saving standard solution for installation with all conventional taps. The connecting kit is included for easy installation directly at the tap. And you'll have warm water right away when you need it.

- > **Hydraulically controlled instant water heater** (undersink model) with compact design for the energy-efficient hot water supply for a sink
- > **The full heating capacity turns on automatically** as soon as water flows through the unit
- > Connection kit (T-piece and flexible pressure hose) for an angle valve is included
- > Works with unvented and vented taps

	Energy efficiency class <b>A</b> (Scale: A+ to F)			
	MBH 3	MBH 4	MBH 6	MBH 7
Part number:	1500-16003	1500-16004	1500-16006	1500-16007
Maximum operating pressure [MPa (bar)]:	1 (10) <sup>1)</sup>			
Water connections (thread connections):	G 3/8"			
Hot water output at $\Delta t = 25\text{ K}$ <sup>2)</sup> [l/min]:	2.0	2.5	3.3	3.7
Switch-on flow rate / max. flow rate <sup>3)</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
Voltage [1~ / N / PE 230 V AC]:	☑ with plug <sup>4)</sup>	☑ permanent connection	☑ permanent connection	
Voltage [2~ / PE 400 V AC]:				☑ permanent connection
Nominal current <sup>5)</sup> [A]:	15	19	25	16
Required cable diameter [mm <sup>2</sup> ]:	1.5	2.5	4.0	2.5
Protection class:	IP 25			
Specific water resistance at 15 °C [ $\Omega\text{cm}$ ] $\geq$ :	1100			
Weight filled with water [kg]:	approx. 1.5			

1) Also approved for pressureless operation 2) Temperature increase e.g. from 15 °C to 40 °C 3) Limited flow amount for optimal temperature increase by water flow adjustment. 4) Also available as type MBH 3 (E) (part number 1500-160032) with power supply cable for permanent connection. 5) Related to rated voltage 230 V or 400 V












Quick and safe installation.

## E-mini instant water heater, vented M



For the replacement of conventional small storage tanks combined with low-pressure taps, the pressureless E-mini instantaneous water heater M is the right choice. Inexpensive and quickly installed, the unit saves precious standby power at every wash hand basin.

- > **Hydraulically controlled instant water heater** (undersink model) with compact design for the energy-efficient hot water supply of a washbasin
- > **Cost-efficient and quick installation**, ideally suited for replacing conventional storage heaters
- > **The full heating capacity turns on automatically** as soon as water flows through the unit
- > Vented design, **only suitable for open-outlet pressure taps**
- > Also available as oversink models, with water connections at the bottom:
  - M3-O:** 3.5 kW / 230 V, Part no. 1500-17113
  - M4-O:** 4.4 kW / 230 V, Part no. 1500-17114
  - M6-O:** 5.7 kW / 230 V, Part no. 1500-17116
  - M7-O:** 6.5 kW / 400 V, Part no. 1500-17117

	 M3	 M4	 M6	 M7
Part number:	1500-17003	1500-17004	1500-17006	1500-17007
Maximum operating pressure [MPa (bar)]:	0 (0)			
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
Voltage [1~ / N / PE 230 V AC]:	 with plug <sup>3)</sup>	 permanent connection	 permanent connection	 permanent connection
Voltage [2~ / PE 400 V AC]:				 permanent connection
Nominal current <sup>4)</sup> [A]:	15	19	25	16
Required cable diameter [mm <sup>2</sup> ]:	1.5	2.5	4.0	2.5
Protection class:	IP 25			
Specific water resistance at 15 °C [ $\Omega\text{cm}$ ] $\geq$ :	1100			
Weight filled with water [kg]:	approx. 1.5			

1) Temperature increase e.g. from 15 °C to 40 °C 2) Limited flow amount for optimal temperature increase by water flow adjustment.  
3) Also available as type M3 (E) (part number 1500-170032) with power supply cable for permanent connection 4) Related to rated voltage 230 V or 400 V

Kits for below and above.

## Mini instant water heater kits with matching tap

### MBX Shower



Smart shower solution for economical requirements with wall rail and single-lever shower tap for installation on 1/2 inch wall connection.

- MBX 4 Shower:** Part no. 1500-15314
- MBX 6 Shower:** Part no. 1500-15316
- MBX 7 Shower:** Part no. 1500-15317



### M / END



Undersink model with single-lever mixer tap, with EASY FIX mounting system, pull-up drain stopper and three flexible 3/8 inch connection hoses.

- M3 / END:** Part no. 1500-17243
- M3 (E) / END:** Part no. 1500-172432

### M / SNM



Undersink model with two-handle mixer tap, with spout, eyelet chain and three flexible 3/8 inch connection hoses.

- M3 / SNM:** Part no. 1500-17203
- M3 (E) / SNM:** Part no. 1500-172032

### M / SMB



Oversink model with two-handle mixer tap and 16 cm swivel spout for installation on 1/2 inch wall connection.

- M3 / SMB:** Part no. 1500-17103
- M3 (E) / SMB:** Part no. 1500-171032
- M4 / SMB:** Part no. 1500-17104
- M7 / SMB:** Part no. 1500-17107

The special mixer tap is also available individually as an addition for all oversink mini instant water heaters:

- SMB / LS:** Part no. 1100-04100

### SME



Single-lever mixer tap as addition for all oversink mini instant water heaters with swivel pipe spout for installation on 1/2 inch wall connection.

- SME:** Part no. 1100-04150

And after washing your hands: Hygienic hand drying.



### Hand dryer WHT



The hand dryer will turn on and off automatically via an electronic infrared sensor when you approach it with your hands. The optimised air outlet with a strong hot air flow allows for fast and comfortable hand drying. The WHT guarantees energy-saving operation.

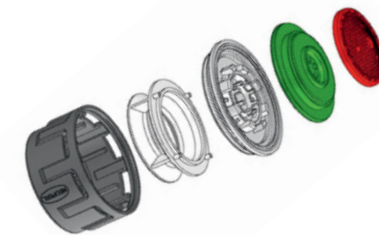
- > **Comfort hot-air hand dryer** for washroom facilities
- > Contactless switching on and off
- > Safety shut-off after approx. 35 seconds continuous use (e.g. in the event of chewing gum vandalism)
- > Low noise level: max. 69 dB (A)
- > The impact-resistant ABS case and the quiet, no-maintenance motor ensure a long service life
- > Easy, maintenance-friendly wall installation with integrated mounting plate (without having to open the unit)
- > Rating 1.0 kW 230 V (air flow: 38 l/s)
- > Dimensions (H × W × D): 30.4 × 26.8 × 18.2 cm



#### WHT

Part number:	7000-70300
Colour:	pure white RAL 9010
Nominal power rating <sup>1)</sup> [kW]:	1.0
Voltage [1~ / N / PE 220 – 240 V AC]:	with plug
Nominal current <sup>1)</sup> [A]:	4.3
Motor output [kW]:	1.0
Noise level [dB]:	69
Air flow [l/sec]:	38
Relative drying time [sec]:	17
Protection class:	IP 23
Weight with wall mount [kg]:	approx. 3.0

1) Related to rated voltage 230 V



Perfectly shapes the water stream.

### Aerators for tap adapters, female and male threads

Using the correct aerator at the tap is particularly important for electric hot water heaters. 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. The aerated water stream supports the energy- and water-saving operation of the mini instant water heater. The aerators are manufactured with high-precision plastics technology and are available as inserts or complete with a fitting tap adapter.

#### Aerators are available in three versions:



Aerator insert for tap adapter M 22/24 at the tap

**CSP 3 (< 2 l/min):** Part no. 0010-00421  
**CSP 6 (< 3.5 l/min):** Part no. 0010-00461



Aerator with chrome tap adapter M 24a (suitable for taps with female threads at the outlet)

**CSP 3a (< 2 l/min):** Part no. 0010-0043  
**CSP 6a (< 3.5 l/min):** Part no. 0010-0047

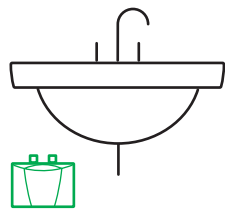


Aerator with chrome tap adapter M 22i (suitable for taps with male threads at the outlet)

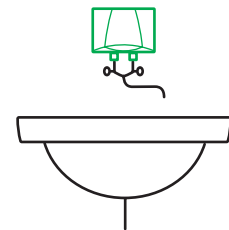
**CSP 3i (< 2 l/min):** Part no. 0010-0042  
**CSP 6i (< 3.5 l/min):** Part no. 0010-0046

Aerator Guide		MCX 3 / MCX 4 MBH 3 / MBH 4 M 3 / M 4	MBH 6 / 7 M 6 / M 7	MCX 6 / 7	C-series
CSP 3		✓		✓	
CSP 6			✓	✓	✓



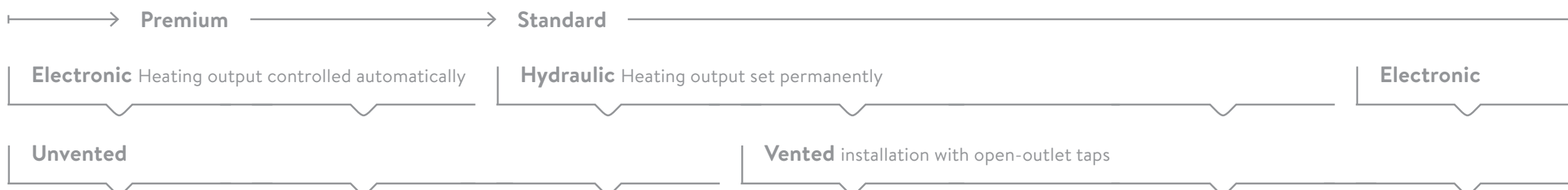


## Undersink units



## Oversink units

# M-series at a glance



**MCX**

**MCX 3:** 3.5 kW / 230 V  
**MCX 4:** 4.4 kW / 230 V  
**MCX 6:** 5.7 kW / 230 V  
**MCX 7:** 6.5 kW / 400 V

**MBH**

**MBH 3:** 3.5 kW / 230 V  
**MBH 4:** 4.4 kW / 230 V  
**MBH 6:** 5.7 kW / 230 V  
**MBH 7:** 6.5 kW / 400 V

**M**

**M 3:** 3.5 kW / 230 V  
**M 4:** 4.4 kW / 230 V  
**M 6:** 5.7 kW / 230 V  
**M 7:** 6.5 kW / 400 V

**M-O**

**M 3-O:** 3.5 kW / 230 V  
**M 4-O:** 4.4 kW / 230 V  
**M 6-O:** 5.7 kW / 230 V  
**M 7-O:** 6.5 kW / 400 V

**MBX Lumino with sensor tap**

**MBX 3 Lumino:** 3.5 kW / 230 V  
**MBX 7 Lumino:** 6.5 kW / 400 V

**MCX Blue with special tap**

**MCX Blue:** 3.5 kW / 230 V

System solution:  
E-mini instant water heater mit special tap EWT

**M / END with single-lever mixer tap**

**M 3 / END:** 3.5 kW / 230 V

**M / SNM with two-handle tap**

**M 3 / SNM:** 3.5 kW / 230 V

**M / SMB with two-handle mixer tap**

**M 3 / SMB:** 3.5 kW / 230 V  
**M 7 / SMB:** 6.5 kW / 400 V

**MBX Shower with wall rail and shower mixer tap**

**MBX 4 Shower:** 4.4 kW / 230 V  
**MBX 6 Shower:** 5.7 kW / 230 V  
**MBX 7 Shower:** 6.5 kW / 400 V

Single units

Complete sets with tap





# Kitchen helpers. The C-series.

## E-compact instant water heater

The original! We have been offering E-compact instant water heaters as the ideal solution for kitchen sinks for more than twenty years. Their intelligent and compact design allows for installation directly at the fixture. The heating capacity of the compact units ensures ideal hot water convenience for use at the sink.





# Convenience and efficiency in one sweep.

E-compact instant water heater

E-compact instant water heaters are the smart solution for energy-efficient hot water supply at the kitchen sink. The units heat the water only when it is needed – directly at the tap.

The compact unit allows for space-saving installation under the sink and the remote control enables convenient temperature adjustment. This avoids water line and heat losses. The desired temperature can be pre-set efficiently and precisely. You shouldn't be without this convenience anymore!

## Advantages



### Saves space

Fits under any sink: 29 × 18 × 10 cm



### Instantly at the right temperature

On demand and without waiting



### Adjustable ideal temperature

No addition of cold water



### More hygiene

due to short water lines



### Fosters energy-saving behavior

Energy monitoring and "eco" real-time feedback



### Environmentally friendly

Less water usage, less energy demand, less CO<sub>2</sub>



# The perfect solution for every use.

Our E-compact instant water heaters provide the right choice for every need. No matter if you have drawers or hinged doors – the unit can be installed almost anywhere, due to its compact dimensions and low-profile design. Depending on the instant water heater model, the temperature can be set directly at the unit or via remote control. The E-compact instant water heater provides the optimum temperature for easy dishwashing, comfortable handwashing and cleaning of fruit or vegetables.

## Saving space >

The E-compact instant water heater CFX-U is installed under the sink and operated by remote control.



## Convenience for two >

The E-compact instant water heater is a convenient solution for a wash hand basin, or even two.



## Universally usable >

The E-compact instant water heater CEX is easy to install and provides a constant supply of warm water for a basin and shower.

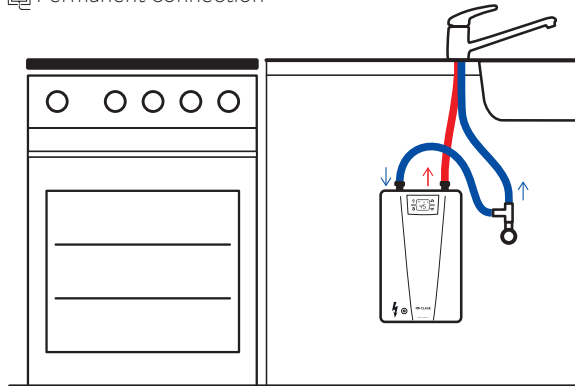




# C\_cool features.

## Our C-series.

Permanent connection



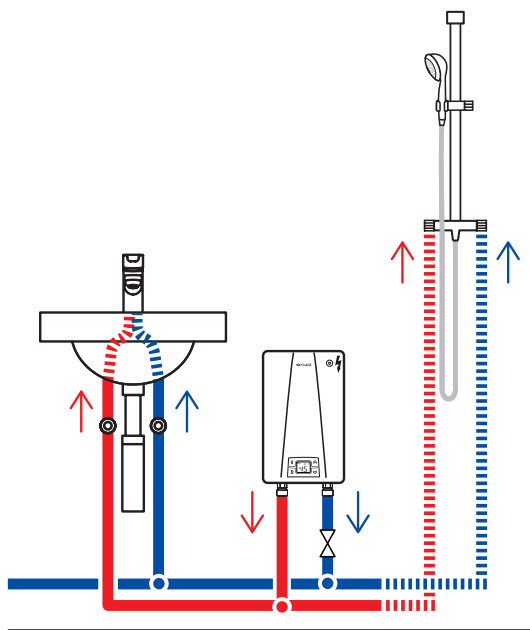
### Simple and fast installation

**Water connections upwards** – The models CDX-U, CEX-U and CFX-U have their 3/8" water connections upwards. They are designed for undersink installation direct to the pipes or connection hoses of the tap. By this, the distance to the tap is as short as possible for best efficiency.

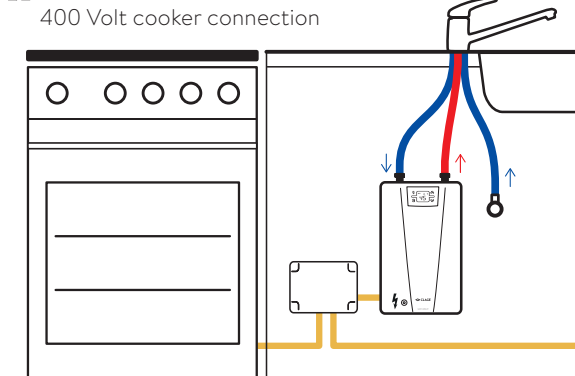
The connection set (T-piece and flexible connecting hose) included in the scope of supply facilitates the retrofitting of existing pressure taps.

You have the choice: The C-series compact instant water heaters are approved for unvented or vented installation. A selection of open-outlet taps and an installation kit for standard taps are shown on > page 54 and 55.

**Water connections downwards** – The model CEX with its 1/2" water connections downwards, can be used versatile.



Connection to an existing 400 Volt cooker connection



### The solution for upgrades: the load shedding module

The load shedding switch (also known as priority switching) allows for the joint use of an electrical connection by two 400 Volt units. For example, an instant water heater can be operated with the existing electrical connection of an electromechanical stove. When dispensing hot water, the instant water heater temporarily turns off the cooker. This is hardly noticeable, since the cooker maintains the required heat for cooking or baking during the short time when water is dispensed. > page 54



Installation video

### More space

The unit's small dimensions leave plenty of space, i.e. for a waste separation system and cleaning supplies.

### Precise temperature settings with modern technology

Adding cold water is not necessary. The power electronics with TWIN TEMPERATURE Control TTC® ensures temperature control accurate to the degree, even with fluctuations in water pressure. The position of the appliance under the sink without long pipe runs avoids waiting time and saves water.

### Safe and long-lasting

The electronic safety system with air bubble detection increases the safety and service life of the units.



### Flexible power rating

With the Multiple Power System MPS®, the maximum power rating is set at the time of installation: 6.6 or 8.8 kW 230 V, 11 or 13.5 kW 400 V.

### Convenient operation

The remote control allows convenient temperature selection when the compact instantaneous water heater is hidden under the kitchen sink. At the touch of a button, the desired temperature for washing up or washing hands is set to the exact degree, without having to mix the water at the tap. The remote control is attached to the wall with the practical magnetic holder.

As an option, the unit can also be operated via the "Smart Control" app. > page 82

### Fewer limescale deposits

The efficient heating system IES® reduces limescale deposits and provides an extended service life and easy maintenance. The water is heated just a few seconds after opening the tap.

Efficiency and convenience  
in one sweep.

## E-compact instant water heater CFX-U

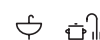


A particularly clever solution for the energy-efficient supply of hot water to the kitchen sink is the CFX-U E-compact instantaneous water heater. While the appliance is installed under the sink to save space, the practical remote control allows convenient temperature setting and energy monitoring.

- > **Electronically controlled undersink instant water heater** with compact design and Bluetooth remote control
- > Temperature setting from 20 °C to 60 °C via sensor keys and **e-paper display** on the remote control
- > **Adding cold water is no longer necessary**
- > Easy installation under the kitchen sink facilitated by **small dimensions** and external 3/8" water connectors for unvented or vented installation, connection Kit (T-piece and flexible connecting hose) for an angle valve is included
- > With power cable for 3-phase power supply
- > **Integrated Bluetooth function** for connection with smartphone and tablet



Energy efficiency class **A** (Scale: A+ to F)



**CFX-U** (with Multiple Power System: 11 or 13.5 kW adjustable)

Part number:	2400-26513		
Maximum operating pressure [MPa (bar)]:	1 (10) <sup>1)</sup>		
Water connections (thread connections):	G 3/8"		
Hot water output at Δt = 33 K <sup>2) 3)</sup> [l/min]:	4.8		5.8 <sup>4)</sup>
Switch-on flow rate / max. Flow rate <sup>5)</sup> [l/min]:	2 / 5		
Nominal power rating <sup>6)</sup> [kW]:	11.0		13.5
Voltage [2~ / PE 380 – 415 V AC]	□ permanent connection		
Nominal current <sup>3) 6)</sup> [A]:	16		20
Required cable diameter <sup>3)</sup> [mm <sup>2</sup> ]:	1.5		2.5
Protection class:	IP 24		
Specific water resistance at 15 °C [Ωcm] ≥:	1000		
Weight filled with water [kg]:	approx. 2.7		

<sup>1)</sup> Inlet temperature ≤ 70 °C <sup>2)</sup> Temperature increase e.g. from 12 °C to 45 °C <sup>3)</sup> Depending on the selected power rating <sup>4)</sup> Mixed water <sup>5)</sup> Limited flow amount for optimal temperature increase <sup>6)</sup> Related to rated voltage 400 V

Precise hot water  
convenience.

## E-compact instant water heater CEX-U



With its electronic control, the CEX-U ensures an energy-efficient hot water supply. The water is heated to the preset temperature directly as it flows through. The temperature is selected via sensor buttons on the LED control panel with two fixed value buttons, which are pre-programmed at the factory with 35 °C and 48 °C.

- > **Electronically controlled undersink instant water heater** with compact design
- > **Sensor key control panel with LED display** for temperature input accurate to the degree between 20 °C and 60 °C (CEX-U) / 20 °C and 55 °C (CEX9-U)
- > Two programming buttons for individual preset temperatures, optional temperature limitation as well as function indicators
- > **Adding cold water is no longer necessary**
- > Easy installation under the kitchen sink facilitated by **small dimensions** and external 3/8" (CEX-U) / 1/2" (CEX9-U) water connectors for unvented or vented installation, connection Kit (T-piece and flexible connecting hose) for an angle valve is included
- > With power cable for 3-phase power supply



Energy efficiency class **A** (Scale: A+ to F)



**CEX9-U** (MPS®: 6.6 or 8.8 kW) | **CEX-U** (MPS®: 11 or 13.5 kW)

Part number:	2400-26449		2400-26413
Maximum operating pressure [MPa (bar)]:	1 (10) <sup>1)</sup>		
Water connections (thread connections):	G 1/2"		G 3/8"
Hot water output at Δt = 33 K <sup>2) 3)</sup> [l/min]:	2.9		3.8   4.8   5.8 <sup>4)</sup>
Switch-on flow rate / max. Flow rate <sup>5)</sup> [l/min]:	2 / 5		
Nominal power rating <sup>6)</sup> [kW]:	6.6		8.8   11.0   13.5
Voltage [1~ / N / PE 220 – 240 V AC]:	□ permanent connection		
Voltage [3~ / PE 380 – 415 V AC]:	□ permanent connection		
Nominal current <sup>3) 6)</sup> [A]:	29		38   16   20
Required cable diameter <sup>3)</sup> [mm <sup>2</sup> ]:	4–6		6   1.5   2.5
Protection class:	IP 24		
Specific water resistance at 15 °C [Ωcm] ≥:	1100   1000		
Weight filled with water [kg]:	approx. 2.7		

<sup>1)</sup> Inlet temperature ≤ 70 °C <sup>2)</sup> Temperature increase e.g. from 12 °C to 45 °C <sup>3)</sup> Depending on the selected power rating <sup>4)</sup> Mixed water <sup>5)</sup> Limited flow amount for optimal temperature increase <sup>6)</sup> Related to rated voltage 230 V or 400 V



Convenient under the kitchen sink.

## E-compact instant water heater CDX-U



Although this E-compact instant water heater has no user controls, it operates with reliable electronics. The heating power is controlled automatically depending on flow rate and inlet temperature. During daily use, the temperature is set at the tap.

- > **Electronically controlled undersink instant water heater** with compact design and without user controls, automatic heating adjustment base on flow rate and inlet temperature
- > The maximum outlet temperature is factory-set to 50°C, **temperature setting as usual by mixing cold water at the tap**
- > Easy installation under the kitchen sink facilitated by **small dimensions** and external 3/8" water connectors for unvented or vented installation, connection Kit (T-piece and flexible connecting hose) for an angle valve is included
- > With power cable for 3-phase power supplybox

	CDX 7-U	CDX 11-U
Part number:	2400-26607	2400-26613
Maximum operating pressure [MPa (bar)]:	1 (10) <sup>1)</sup>	
Water connections (thread connections):	G 3/8"	
Hot water output at Δt = 33 K <sup>2)</sup> [l/min]:	3.0	4.8
Switch-on flow rate / max. flow rate <sup>3)</sup> [l/min]:	2 / 4	2 / 5
Nominal power rating <sup>4)</sup> [kW]:	6.9	11.0
Voltage [3~ / PE 380 – 415 V AC]:	permanent connection	
Nominal current <sup>3) 4)</sup> [A]:	10	16
Required cable diameter [mm <sup>2</sup> ]:	1.0	1.5
Protection class:	IP 24	
Specific water resistance at 15 °C [Ωcm] ≥:	1000	
Weight filled with water [kg]:	approx. 2.7	

1) Also approved for pressureless operation 2) Temperature increase for example from 12 °C to 45 °C 3) Limited flow amount for optimal temperature increase 4) Related to rated voltage 400 V

Compact power, versatile use.

## E-compact instant water heater CEX

Versatile E-compact instant water heater with medium power rating for a bathroom sink, a disposal sink or a single shower.

- > **Electronically controlled instant water heater** with compact design
- > **Sensor-key operation with LED indicator** for precise temperature setting between 20 °C and 60 °C (CEX) / 20 °C and 55 °C (CEX 9)
- > Two programming keys for individual preset temperatures, activatable temperature limit and operating displays
- > **Adding cold water is no longer necessary**
- > Easy installation facilitated by **small dimensions** and external 1/2" water connectors for unvented or vented installation
- > With power cable for 3-phase power supplybox

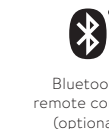
### Optional accessories for shower application:



Adjustable shower set  
**CXH:** Part no. 0300-0086



Head shower  
**CXK:** Part no. 0300-00880



	CEX 9 (MPS®: 6.6 or 8.8 kW)	CEX (MPS®: 11 or 13.5 kW)
Part number:	2400-26439	2400-26433
Maximum operating pressure [MPa (bar)]:	1 (10) <sup>1)</sup>	
Water connections (thread connections):	G 1/2"	
Hot water output at Δt = 33 K <sup>2) 3)</sup> [l/min]:	2.9   3.8	4.8   5.8 <sup>4)</sup>
Switch-on flow rate / max. Flow rate <sup>5)</sup> [l/min]:	2 / 5	
Nominal power rating <sup>6)</sup> [kW]:	6.6   8.8	11.0   13.5
Voltage [1~ / N / PE 220 – 240 V AC]:	permanent connection	
Voltage [3~ / PE 380 – 415 V AC]:		permanent connection
Nominal current <sup>3) 6)</sup> [A]:	29   38	16   20
Required cable diameter <sup>3)</sup> [mm <sup>2</sup> ]:	4–6   6	1.5   2.5
Protection class:	IP 25	
Specific water resistance at 15 °C [Ωcm] ≥:	1100	1000
Weight filled with water [kg]:	approx. 2.7	

\* Inlet temperature ≤ 70 °C 1) Also approved for pressureless operation 2) Temperature increase e.g. from 12 °C to 40 °C 3) Depending on the selected power rating 4) Mixed water 5) Restricted flow for optimal temperature increase 6) Related to rated voltage 230 V or 400 V

## Accessories



**NEW**

### FXS Next

FX Next wireless remote control with high-contrast e-paper display, real glass cover and sensor keys for convenient temperature adjustment plus Bluetooth wireless adapter as a set for installation in the CEX/CEX-U instant water heater. In addition to user controls directly at the unit, the remote control allows a convenient temperature adjustment of the instant water heater at interior distances of up to ten metres. Secure Bluetooth wireless transmission, magnetic wall bracket and batteries (included), IP 24. Dimensions (H x W x D): 9.8 x 9.0 x 2.6 cm

**FXS Next (C):** Part no. 3200-34024



### FXS 3

FX3 remote control including Bluetooth remote control adapter in a set for installation in the CEX/CEX-U instantaneous water heater. 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 x W x D): 5.8 x 12.5 x 1.9 cm

**FXS 3 (C):** Part no. 3200-34027



### FXE 3

Bluetooth wireless adapter for installation in the instant water heater to connect the electric instant water heater CEX/CEX-U or MCX with the smartphone / tablet or the CLAGE remote control. This extension is required if the units are not yet equipped with an FX3 or FX Next remote control.

**FXE 3 (C):** Part no. 3200-34026



### LAB

Load shedding module (electrical installation kit) with pre-installed cables, contactor and load shedding relay, for joint connection of an 11 kW instant water heater and an electromechanical cooker at a cooker terminal outlet box, if no separate outlet is available for the instant water heater. IP 55. Dimensions (H x W x D): 17 x 13 x 8 cm

**LAB:** Part no. 82260



### CEX / CSO

Electronically controlled E-compact instant water heater as oversink appliance with vented wall-mounted single lever mixer tap CSO for installation on 1/2 inch wall connection with swivel pipe spout.

**CEX / CSO:** Part no. 2400-26490

### CSO

Single-lever wall-mounted mixer tap, unpressurised, for installation on 1/2 inch wall connection with swivel pipe spout.

**CSO:** Part no. 1100-04165

### CEX 9 Plus

Electronically controlled instantaneous water heater in compact format as oversink unit with optimal hand shower CXH.

**CEX 9 Plus:** Part no. 2400-26470

### Accessories for undersink installation

#### FVS

Flexible connecting hose, 50 cm long

**FVS:** Part no. 89620

#### T-piece

3/8 inch, with cap nut for an angle valve

**T-piece:** Part no. 89610

## Open-outlet taps for kitchen sinks and disposal sinks



### EKM

Single-lever mixer tap with swivel spout and three flexible 3/8 inch connection hoses.

**EKM:** Part no. 1100-04223



### EKA

Single-lever mixer tap with pull-out rinse sprayer and three flexible 3/8 inch connection hoses.

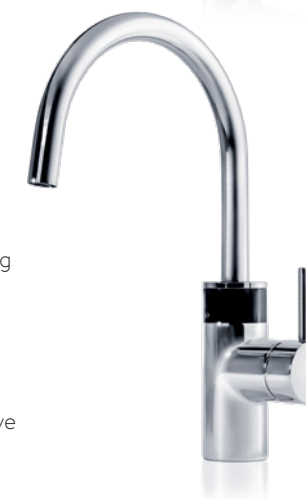
**EKA:** Part no. 1100-04230



### EAK

Single-lever mixer tap with side lever and swivel spout and three flexible 3/8 inch connection hoses.

**EAK:** Part no. 1100-04430



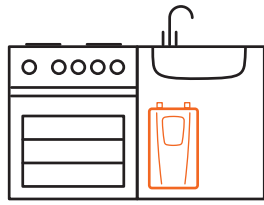
### EKE

Sensor tap for the kitchen sink with activatable hygienic rinse and swivel spout and two flexible 3/8 inch connection hoses.

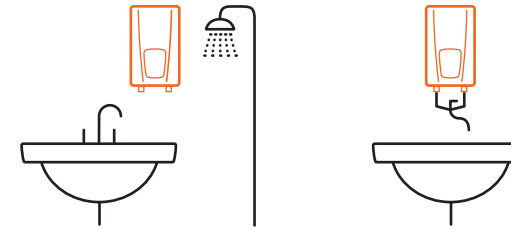
**EKE:** Part no. 1100-04235

**NEW**





## Undersink units



## Oversink units

# C-series at a glance

→ Premium → Comfort → Standard →

→ Comfort →

MPS® (Multiple Power System) Power rating adjustable at installation

Precise ideal temperature

Preset temperature

Precise ideal temperature

CFX-U



CFX-U: 11 or 13.5 kW / 400V

CEX-U



CEX 9-U: 6.6 or 8.8 kW / 230V  
CEX-U: 11 or 13.5 kW / 400V

CDX-U



CDX 7-U: 6.9 kW / 400V  
CDX 11-U: 11 kW / 400V

CEX



CEX 9: 6.6 or 8.8 kW / 230V  
CEX: 11 or 13.5 kW / 400V

Single units

CEX 9 Plus  
with hand shower CXH



CEX 9 Plus: 6.6 or 8.8 kW / 230V

CEX / CSO  
with mixing tap



CEX / CSO: 11 or 13.5 kW / 400V

Complete set with tap





# Spa experience at a bargain. The D-series.

## **E-comfort instant water heater**

Fully electronic instant water heaters combine comfortable hot water convenience with energy efficiency. These units only heat the water that is actually used for a bath or a shower. And because it is heated to the desired temperature within seconds, there are no long wait times and no need to mix with cold water. These features conserve valuable energy and precious drinking water.





# No lengthy mixing, shower right away.

E-comfort instant water heaters are the perfect hot water solution for shower and bath. The units can be installed on a wall, inside bathroom furniture or concealed behind a panel. E-comfort instant water heaters provide comfortable convenience with low energy and water use.

## Advantages



### Lowers operating costs

Saving energy in shower and bath



### Instantly at the right temperature

On demand and without waiting



### Adjustable ideal temperature

No addition of cold water



### More hygiene

due to short water lines



### Fosters energy-saving behavior

Energy monitoring and "eco" real-time feedback



### Environmentally friendly

Lower water demand, lower energy demand, less CO<sub>2</sub>



# One bath and many possibilities.

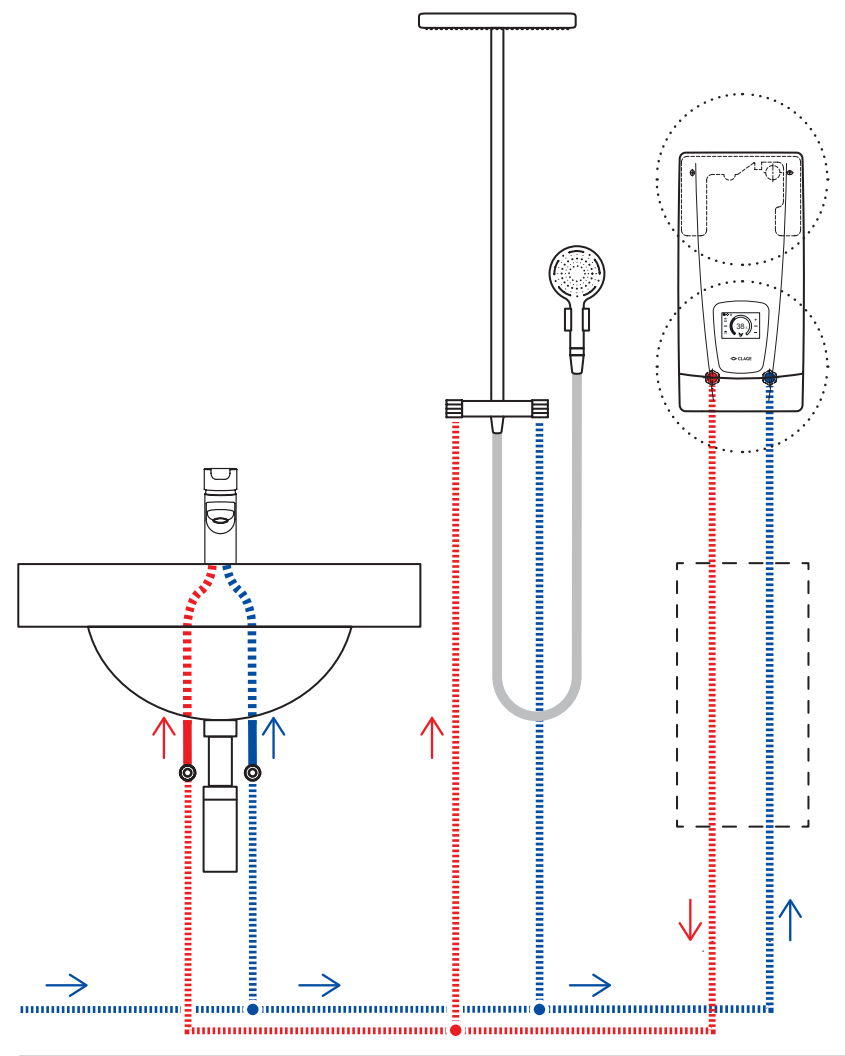
E-comfort instant water heaters are suitable for every kind of bathroom. Whether on the wall at eye level, unobtrusive at the lower wall level for even shorter water lines, concealed in bathroom furniture hidden behind an inspection flap or in the duct area – the units provide hot water convenience for washbasins, showers and even bathtubs.





# Digital convenience.

## Our D-series.



### Easy mounting and simple installation

#### Top area installation (alternative)

Easy mounting with wall bracket and hood screw behind the front panel. Electrical connection is also possible in the upper area without any problems.

#### Bottom area installation (standard)

Spacious electrical connection area at the bottom with removable frame and spacer sleeves to compensate for uneven tiles and wall irregularities.

#### Alternative installation for short water lines

If no user control of the E-comfort instant water heater is required at eye level, the unit can also be installed at a lower level. This shortens the water lines.

#### Easy replacement of old units

When replacing older units (also of other manufacturers) it is usually not necessary to drill new holes. The supplied wall bracket allows for flexible mounting.

#### Mounting frame for more mounting options

If required, the universal mounting frame RDX3 is available as an accessory which allows for an electrical connection at any position behind the unit.

**RDX3:** Part no. 3200-36100



Installation video

### Attractive design

The integrated real glass touch display makes the device a valuable functional product in every modern bathroom. Thanks to its flat design, the device can also be easily installed in a concealed location.

### Immediately at the desired temperature thanks to modern technology

Adding cold water is not necessary. The power electronics with TWIN TEMPERATURE Control TTC® ensures temperature control accurate to the degree, even with fluctuations in water pressure. SERVOTRONIC® for dynamic flow rate control reduces the flow rate when the power limit is reached.

### Safe and long-lasting

The electronic safety system with air bubble detection increases the safety and service life of the units.



### Flexible power rating

With the Multiple Power System MPS®, the maximum power rating is set at the time of installation: 18, 21, 24 or 27 kW.

### Attractive real glass touch display for more transparency

The playful approach to personal consumption values makes saving water and energy child's play. The integrated real glass touch display at the front allows to set individual user profiles, to define savings targets, to set individual needs and consumption data to be called up for a better overview of costs.

Optionally, the device can be operated with up to three Bluetooth remote controls FX 3, two remote controls FX Next or via the "Smart Control" app.

### Fewer limescale deposits

The efficient IES® bare wire heating system reduces limescale deposits and provides an extended service life and easy maintenance. The water is heated just a few seconds after opening the tap.

For your new wellness oasis.

## E-comfort instant water heater DSX Touch



**NEW**

reddot design award  
winner 2019

- Fosters energy-saving behavior
- Smart Control -ready
- Bluetooth remote control (included)
- integrated Wi-Fi function
- solar-ready, suitable for reheating\*

The top model among the E-comfort instant water heaters turns the bathroom into a wellness oasis with energy-efficient and cost-transparent hot water supply. At the same time, the unit meets the highest demands for comfort.

- > **Fully electronically controlled high-tech instant water heater** with **real glass touch** display for convenient and economical hot water supply
- > **Always precise temperatures** between 20°C and 60°C due to TWIN TEMPERATURE Control TTC® and SERVOTRONIC® **dynamic flow rate control**
- > Suitable for water-saving taps due to particularly low switch-on water quantity from 1.5 l/min, thanks to **innovative water flow technology**
- > Function for **thermal treatment** with 70°C for more hygiene
- > With automatic **bathtub filling function** according to adjustable quantity (in litres) and with separate timer function
- > **Integrated Wi-Fi and Bluetooth function** for connection to smartphone, tablet and smart speaker



Energy efficiency class **A** (Scale: A+ to F)

DSX Touch ○ / DSX Touch Black Edition ●

Part number:	3200-36600 / 3200-36602			
Maximum operating pressure [MPa (bar)]:	1 (10) <sup>1)</sup>			
Water connections (thread connections):	G ½"			
Hot water output at Δt = 28 K <sup>2) 3) 4)</sup> [l/min]:	9.2	10.7	12.3	13.8
Switch-on flow rate / max. flow rate [l/min]:	1.5 / automatic <sup>5)</sup>			
Nominal power rating <sup>6)</sup> [kW]:	18	21	24	27 <sup>7)</sup>
Voltage [3~/ PE 400 V AC <sup>6)</sup> ]:	□ permanent connection			
Nominal current <sup>3)</sup> [A]:	26	30	35	39
Required cable diameter <sup>3)</sup> [mm <sup>2</sup> ]:	4	4	6	6
Protection class:	IP 25			
Specific water resistance at 15 °C [Ωcm] ≥:	1100			
Weight filled with water [kg]:	approx. 4.5			

\*) Inlet temperature ≤ 70 °C 1) Also approved for pressureless operation 2) Temperature increase e.g. from 12 °C to 40 °C 3) Depending on the selected power rating 4) Mixed water 5) Depending on line pressure, selected temperature and inlet temperature 6) Also connectable with 380 V 7) Only approved for rated voltage 400 V 7) Multiple Power System: 18, 21, 24 or 27 kW adjustable

## Intuitive operation via touch display, tablet or smartphone



### Efficiency

Temperature, flow limit and user profiles can be set intuitively and conveniently. Thanks to "Eco" real-time feedback, energy-saving user behavior is also promoted.



### Dispensing mode

If heated water is drawn from a tap, the main control changes to dispensing mode and, depending on the set outlet temperature, changes the colour from blue for low temperatures to red for high temperatures.



### Main menu

The main menu is the DSX Touch navigation centre. Here the user can switch between the different menu items.



### Statistics

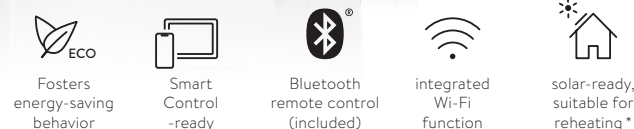
The consumption values for electricity and hot water are stored by the appliance and displayed in the statistics over various periods.





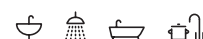
High-tech comfort  
in disguise.

## E-comfort instant water heater DFX Next



The new DFX Next is ideally prepared for hidden installation, for example behind an inspection flap. It is no longer operated directly on the unit but with the remote control or even with a smartphone.

- > **Fully electronically controlled high-tech instant water heater** with innovative **Bluetooth remote control** for convenient and economical hot water supply
- > **Always precise temperatures** between 20°C and 60°C due to TWIN TEMPERATURE Control TTC® and SERVOTRONIC® **dynamic flow rate control**
- > Suitable for water-saving taps due to particularly low switch-on water quantity from 1.5 l/min thanks to **innovative water flow technology**
- > Function for **thermal treatment** with 70°C for more hygiene
- > With **automatic bathtub filling** function according to adjustable amount (in litres) and with separate timer function
- > **Integrated Wi-Fi and Bluetooth function** for connection to smartphone, tablet and smart speaker



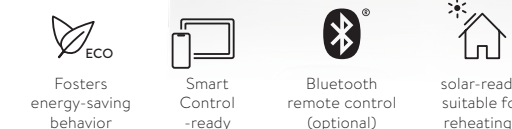
Energy efficiency class **A** (Scale: A+ to F) **DFX Next** (Multiple Power System: 18, 21, 24 or 27 kW adjustable)

Part number:	3200-36500			
Maximum operating pressure [MPa (bar)]:	1 (10) <sup>1)</sup>			
Water connections (thread connections):	G 1/2"			
Hot water output at $\Delta t = 28\text{ K}$ <sup>2) 3) 4)</sup> [l/min]:	9.2	10.7	12.3	13.8
Switch-on flow rate / max. flow rate [l/min]:	1.5 / automatic <sup>5)</sup>			
Nominal power rating [kW]:	18	21	24	27 <sup>7)</sup>
Voltage [3~ / PE 400 V AC <sup>6)</sup> ]:	permanent connection			
Nominal current <sup>3)</sup> [A]:	26	30	35	39
Required cable diameter <sup>3)</sup> [mm <sup>2</sup> ]:	4	4	6	6
Protection class:	IP 25			
Specific water resistance at 15°C [ $\Omega\text{cm}$ ] $\geq$ :	1100			
Weight filled with water [kg]:	approx. 4.5			

<sup>1)</sup> Inlet temperature  $\leq 70^\circ\text{C}$  <sup>2)</sup> Also approved for pressureless operation <sup>3)</sup> Temperature increase e.g. from 12°C to 40°C <sup>4)</sup> Depending on the selected power rating <sup>5)</sup> Depending on line pressure, selected temperature and inlet temperature <sup>6)</sup> Also connectable with 380V <sup>7)</sup> Only approved for rated voltage 400V

Comfortable  
and efficient.

## E-comfort instant water heater DEX Next



The DEX Next is comfortable, economical and reliable. The high-contrast e-paper display behind the high-quality real glass cover is particularly impressive.

- > **Electronically controlled comfort instant water heater**
- > Temperature setting between 20°C and 60°C and **energy monitoring** via the control panel with sensor keys and **e-paper display**
- > TWIN TEMPERATURE Control TTC® for **temperatures accurate to the degree** up to the performance limit
- > For water-saving taps suitable due to particularly low switch-on water quantity from 1.5 l/min thanks to **innovative water flow technology**
- > With the Multiple Power System MPS®, the maximum power rating is set at the time of installation:  
DEX 12 Next\*\*: 8.8 or 11.5 kW 230V  
DEX Next: 18, 21, 24 or 27 kW 400V
- > With the optional Bluetooth radio extension FXE 3, which is also available together with the remote control in a set FXS Next, the device can also be operated via Smart Control. **FXS Next (D)**: Part. No. 3200-34025



Energy efficiency class **A** (Scale: A+ to F) **DEX 12 Next** (8.8 or 11.5 kW) | **DEX Next** (18, 21, 24 or 27 kW adjustable)

Part number:	3200-36412		3200-36400			
Maximum operating pressure [MPa (bar)]:	1 (10) <sup>1)</sup>					
Water connections (thread connections):	G 1/2"					
Hot water output at $\Delta t = 28\text{ K}$ <sup>2) 3)</sup> [l/min]:	4.5	5.9 <sup>4)</sup>	9.2 <sup>4)</sup>	10.7 <sup>4)</sup>	12.3 <sup>4)</sup>	13.8 <sup>4)</sup>
Switch-on flow rate / max. flow rate [l/min]:	1.5 / 5.0 <sup>5)</sup>		1.5 / 8.0 <sup>5)</sup>			
Nominal power rating [kW]:	8.8	11.5	18	21	24	27 <sup>7)</sup>
Voltage [1~ / PE 220 - 240 V AC]:	permanent connection					
Voltage [3~ / PE 400 V AC <sup>6)</sup> ]:	permanent connection					
Nominal current <sup>3)</sup> [A]:	38.3	50.0	26	30	35	39
Required cable diameter <sup>3)</sup> [mm <sup>2</sup> ]:	10	10	4	4	6	6
Protection class:	IP 25					
Specific water resistance at 15°C [ $\Omega\text{cm}$ ] $\geq$ :	1300			1100		
Weight filled with water [kg]:	approx. 4.2					

<sup>1)</sup> Inlet temperature  $\leq 70^\circ\text{C}$  <sup>2)</sup> The DEX 12 Next can be connected with the power connection only at the bottom of the unit <sup>3)</sup> Temperature increase e.g. from 12°C to 40°C <sup>4)</sup> Depending on the selected power rating <sup>5)</sup> Limited flow amount for optimal temperature increase <sup>6)</sup> Also connectable with 380V <sup>7)</sup> Only approved for rated voltage 400V

# Optimal temperature selection.

## E-comfort instant water heater DEX Next L



NEW

The DEX Next L allows to select the temperature via sensor buttons on the LED control panel with two memory keys, which are pre-programmed at the factory with 38 °C and 42 °C.

- > **Electronically controlled comfort instant water heater with sensor control panel and LED display**
- > **Precise temperatures** between 20 °C and 60 °C due to TWIN TEMPERATURE Control TTC®
- > Particularly low switch-on water quantity from 1.5 l/min thanks to **innovative water flow technology**
- > Electronic safety system with air bubble detection, temperature and pressure shut-off
- > With the Multiple Power System MPS®, the maximum power rating is set at the time of installation:  
DEX 12 Next L\*: 8.8 or 11.5 kW 230 V  
DEX Next L: 18, 21, 24 or 27 kW 400 V



Energy efficiency class **A** (Scale: A+ to F)

DEX 12 Next L (8,8 or 11,5 kW) | DEX Next L (18, 21, 24 or 27 kW adjustable)

Part number:	3200-36452	3200-36451
Maximum operating pressure [MPa (bar)]:	1 (10) <sup>1)</sup>	
Water connections (thread connections):	G 1/2"	
Hot water output at Δt = 28 K <sup>2) 3) 4)</sup> [l/min]:	4.5   5.9 <sup>4)</sup>	9.2 <sup>4)</sup>   10.7 <sup>4)</sup>   12.3 <sup>4)</sup>   13.8 <sup>4)</sup>
Switch-on flow rate / max. flow rate [l/min]:	1.5 / 5.0 <sup>5)</sup>	1.5 / 8.0 <sup>5)</sup>
Nominal power rating <sup>7)</sup> [kW]:	8.8   11.5	18   21   24   27
Voltage [1~ / PE 220 - 240 V AC]:	permanent connection	
Voltage [3~ / PE 400 V AC] <sup>6)</sup> :		permanent connection
Nominal current <sup>3) 7)</sup> [A]:	38.3   50.0	26   30   35   39
Required cable diameter <sup>3)</sup> [mm <sup>2</sup> ]:	10   10	4   4   6   6
Protection class:	IP 25	
Specific water resistance at 15 °C [Ωcm] ≥:	1300	1100
Weight filled with water [kg]:	approx. 4.2	

<sup>1)</sup> The DEX 12 Next L can be connected with the power connection only at the bottom of the unit. <sup>2)</sup> Also approved for pressureless operation. <sup>3)</sup> Temperature increase e.g. from 12 °C to 40 °C. <sup>4)</sup> Mixed water. <sup>5)</sup> Depending on the selected power rating. <sup>6)</sup> Also connectable with 380 V. <sup>7)</sup> Related to rated voltage 230 V.

# Saving energy in the bathroom is that simple!

## E-comfort instant water heater DCX Next

The electronic E-comfort instant water heater DCX Next is designed for easy operation. With the touch of a button, one of five typical water temperatures can be selected. This is indicated by an intuitively understandable signal colour.

- > **Electronically controlled instant water heater** with simple operation
- > One-button operation for fast and easy **five-level temperature selection**: 35 °C, 38 °C, 42 °C, 48 °C and 55 °C
- > TWIN TEMPERATURE Control TTC® provides **precise temperature** control even if the water pressure fluctuates
- > Electronic safety system with air bubble detection, temperature and pressure shut-off
- > With the Multiple Power System MPS®, the maximum power rating is set at the time of installation:  
DCX 13 Next: 11 or 13.5 kW 400 V  
DCX Next: 18, 21, 24 or 27 kW 400 V



Energy efficiency class **A** (Scale: A+ to F)

DCX 13 Next (11 or 13.5 kW) | DCX Next (18, 21, 24 or 27 kW adjustable)

Part number:	3200-36313	3200-36300
Maximum operating pressure [MPa (bar)]:	1 (10) <sup>1)</sup>	
Water connections (thread connections):	G 1/2"	
Hot water output at Δt = 28 K <sup>2) 3) 4)</sup> [l/min]:	5.6   6.9	9.2   10.7   12.3   13.8
Switch-on flow rate / max. flow rate [l/min]:	1.5 / 5.0 <sup>5)</sup>	1.5 / 8.0 <sup>5)</sup>
Nominal power rating [kW]:	11   13.5	18   21   24   27 <sup>7)</sup>
Voltage [3~ / PE 400 V AC] <sup>6)</sup> :	permanent connection	
Nominal current <sup>3)</sup> [A]:	16   20	26   30   35   39
Required cable diameter <sup>3)</sup> [mm <sup>2</sup> ]:	1.5   2.5	4   4   6   6
Protection class:	IP 25	
Specific water resistance at 15 °C [Ωcm] ≥:	1100	
Weight filled with water [kg]:	approx. 4.2	

<sup>1)</sup> Also approved for pressureless operation. <sup>2)</sup> Temperature increase e.g. from 12 °C to 40 °C. <sup>3)</sup> Depending on the selected power rating. <sup>4)</sup> Mixed water. <sup>5)</sup> Limited flow amount for optimal temperature increase. <sup>6)</sup> Also connectable with 380 V. <sup>7)</sup> Only approved for rated voltage 400 V.



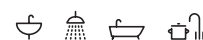
Simply choose:  
35 °C, 45 °C or 55 °C!

## E-comfort instant water heater DLX Next



Whenever simple operation at a reasonable price is important, the DLX Next presents an interesting alternative. The user can select one of three hot water temperatures with the touch of a button.

- > **Electronically controlled instant water heater** with simple operation
- > One-button operation for fast and easy **three-level temperature selection**: 35 °C, 45 °C and 55 °C
- > Stable temperature up to the unit's power limit
- > Electronic safety system with air bubble detection, temperature and pressure shut-off



	Energy efficiency class <b>A</b> (Scale: A+ to F)		
	DLX 18 Next	DLX 21 Next	DLX 24 Next
Part number:	3200-36118	3200-36121	3200-36124
Maximum operating pressure [MPa (bar)]:	1 (10) <sup>1)</sup>		
Water connections (thread connections):	G 1/2"		
Hot water output at $\Delta t = 28 \text{ K}^{2) 3)}$ [l/min]:	9.2	10.7	12.3
Switch-on flow rate / max. flow rate [l/min]:	1.5 / 7.0 <sup>4)</sup>	1.5 / 8.0 <sup>4)</sup>	1.5 / 8.0 <sup>4)</sup>
Nominal power rating [kW]:	18	21	24
Voltage [3~ / PE 400 V AC <sup>5)</sup> ]:	□ permanent connection		
Nominal current [A]:	26	30	35
Required cable diameter [mm <sup>2</sup> ]:	4	4	6
Protection class:	IP 25		
Specific water resistance at 15 °C [ $\Omega\text{cm}$ ] $\geq$ :	1100		
Weight filled with water [kg]:	approx. 4.2		

1) Also approved for pressureless operation 2) Temperature increase e.g. from 12 °C to 40 °C 3) Mixed water 4) Limited flow amount for optimal temperature increase 5) Also connectable with 380V

The cost-effective  
alternative.

## E-instant water heater DBX Next



The basic unit of our series of electronic instant water heaters comes without any user controls. That's why the DBX Next is surprisingly inexpensive.

- > **Electronically controlled basic instant water heater without user controls**
- > Automatic adjustment of output to flow rate and inlet temperature, outlet temperature factory-set to 50 °C (can be adjusted internally by a specialist)
- > Electronic safety system with temperature and pressure shut-off



	Energy efficiency class <b>A</b> (Scale: A+ to F)		
	DBX 18 Next	DBX 21 Next	DBX 24 Next
Part number:	3200-36118	3200-36121	3200-36124
Maximum operating pressure [MPa (bar)]:	1 (10) <sup>1)</sup>		
Water connections (thread connections):	G 1/2"		
Hot water output at $\Delta t = 28 \text{ K}^{2) 3)}$ [l/min]:	9.2	10.7	12.3
Switch-on flow rate / max. flow rate [l/min]:	1.5 / 7.0 <sup>4)</sup>	1.5 / 8.0 <sup>4)</sup>	1.5 / 8.0 <sup>4)</sup>
Nominal power rating [kW]:	18	21	24
Voltage [3~ / PE 400 V AC <sup>5)</sup> ]:	□ permanent connection		
Nominal current [A]:	26	30	35
Required cable diameter [mm <sup>2</sup> ]:	4	4	6
Protection class:	IP 25		
Specific water resistance at 15 °C [ $\Omega\text{cm}$ ] $\geq$ :	1100		
Weight filled with water [kg]:	approx. 4.2		

1) Also approved for pressureless operation 2) Temperature increase e.g. from 12 °C to 40 °C 3) Mixed water 4) Limited flow amount for optimal temperature increase 5) Also connectable with 380V



For maximum shower convenience.

### Installation kit DSX Touch Twin



This solution combines two E-comfort instant water heaters to supply one or more tap points with high hot water requirements<sup>1)</sup> (> 14 l/min, e.g. a wellness shower). The devices are synchronised via the special Twin software, temperature settings are automatically taken over by both devices.

- > **Two fully electronically controlled instant water heaters with special installation frame and wireless remote control**
- > Complete with special piping set and mounting material for in-wall mounting
- > **Always precise temperatures** between 20°C and 60°C with TWIN TEMPERATURE Control TTC® and SERVOTRONIC® **dynamic flow rate control**
- > **Integrated Wi-Fi and Bluetooth function** for connection with smartphone, tablet and voice control
- > Also available as DEX Next S Twin (without Wi-Fi function) **DEX Next S Twin:** Part. No. 3200-36132
- > Dimensions of the flush-mounted cabinet (H × W × D): 81.6 × 60.3 × 14 cm



**Energy efficiency class A** (Scale: A+ to F)

**DSX Touch Twin** (with MPS®: adjustable to 2×18, 2×21, 2×24 or 2×27 kW)

Part number:	3200-36130			
Maximum operating pressure [MPa (bar)]:	1 (10)			
Water connections (thread connections):	G 1/2"			
Hot water output at Δt = 28 K <sup>2) 4) 5)</sup> [l/min]:	2 × 9.2	2 × 10.7	2 × 12.3	2 × 13.8
Hot water output at Δt = 38 K <sup>3) 4)</sup> [l/min]:	2 × 6.8	2 × 7.9	2 × 9.0	2 × 10.2
Switch-on flow rate / max. flow rate [l/min]:	4.0 / automatic			
Nominal power rating [kW]:	2 × 18	2 × 21	2 × 24	2 × 27 <sup>6) 8)</sup>
Voltage [3~ / PE 400 V AC <sup>7)</sup> ]:	two permanent connections			
Nominal current per unit <sup>4)</sup> [A]:	26	30	35	39
Required cable diameter per unit <sup>4) 6)</sup> [mm <sup>2</sup> ]:	4.0	4.0	6.0	6.0
Protection class:	IP 25			
Specific water resistance at 15 °C [Ωcm] ≥ :	1100			
Weight of the kit filled with water [kg]:	approx. 22			

<sup>1)</sup> Inlet temperature ≤ 70 °C <sup>2)</sup> Minimum flow rate per single tap: 4 l/min <sup>3)</sup> Temperature increase e.g. from 12 °C to 40 °C <sup>4)</sup> Depending on the selected power rating <sup>5)</sup> Mixed water <sup>6)</sup> Min. required cable diameter per appliance; for cable connection at the top max 10 mm<sup>2</sup> <sup>7)</sup> Also connectable with 380 V <sup>8)</sup> Only approved for rated voltage 400 V





## Accessories



### FXS Next

FX Next wireless remote control with high-contrast e-paper display, real glass cover and sensor keys for convenient temperature adjustment plus Bluetooth wireless adapter as a set for installation in the DEX Next instant water heater. In addition to user controls directly at the unit, the remote control allows a convenient temperature adjustment of the instant water heater at interior distances of up to ten metres. Secure Bluetooth wireless transmission, magnetic wall bracket and batteries (included), IP 24.

Dimensions (H x W x D): 9.8 x 9 x 2.6 cm

**FXS Next (D):** Part no. 3200-34025



### FXS 3

FX 3 remote control including Bluetooth remote control adapter in a set for installation in the DEX Next instantaneous water heater. 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 x W x D): 5.8 x 12.5 x 1.9 cm

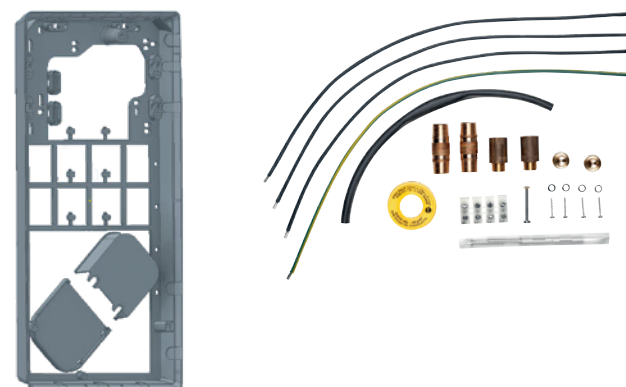
**FXS 3 (D):** Part no. 3200-34020



### FXE 3

Bluetooth wireless adapter for installation in the instant water heater to connect the electric instant water heater DEX Next with the smartphone / tablet or the CLAGE remote control. This extension is required if the units are not yet equipped with an FX 3 or FX Next remote control.

**FXE 3 (D):** Part no. 3200-34022

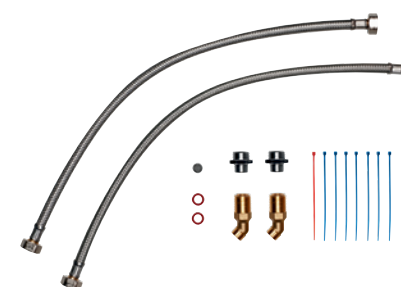


## Accessories

### RDX 3

Universal mounting frame for DSX Touch, DFX Next, DEX Next S, DEX Next, DCX Next, DLX Next and DBX Next with electrical wiring and brass extension for special installations, e.g. electrical connection at any point behind the unit.

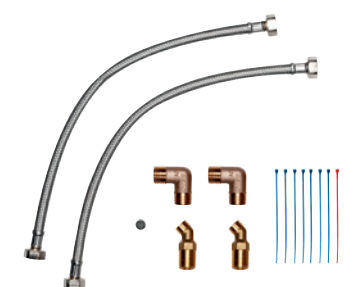
**RDX 3:** Part no. 3200-36100



### UDX

Pipe extension kit for undersink installation with protruding water connectors G 3/8 inch above (mounting frame RDX 3 required)

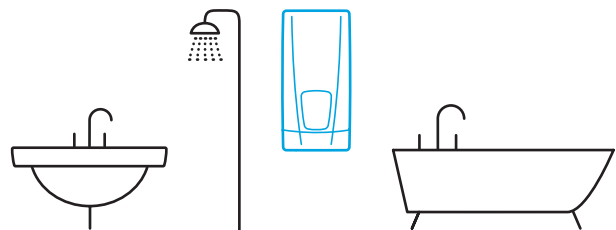
**UDX:** Part no. 3200-34110



### VDX

Pipe extension kit for offset mounting or exchanged water connectors when replacing gas water heaters (mounting frame RDX 3 required)

**VDX:** Part no. 3200-34120



# D-series at a glance

## Wall-mounted units

→ Premium → Comfort → Standard →

Fully electronically controlled with flow rate control

Electronically controlled

MPS® (Multiple Power System) Power rating adjustable at installation

Precise temperature selection

Stepwise temperature selection

Preset temperature



**DSX Touch:**  
18, 21, 24, 27 kW / 400V

**NEW**



**DFX Next :**  
18, 21, 24, 27 kW / 400V

**NEW**



**DEX Next S :**  
18, 21, 24, 27 kW / 400V



**DEX Next :**  
18, 21, 24, 27 kW / 400V  
**DEX 12 Next :**  
8,8 ou 11,5 kW / 230V



**DEX Next L :**  
18, 21, 24, 27 kW / 400V  
**DEX 12 Next L :**  
8,8 or 11,5 kW / 230V

**NEW**



**DCX Next:**  
18, 21, 24, 27 kW / 400V  
**DCX 13 Next:**  
11 or 13,5 kW / 400V



**DBX 18 Next:**  
18 kW / 400V  
**DBX 21 Next:**  
21 kW / 400V  
**DBX 24 Next:**  
24 kW / 400V





# Always one step ahead!

## Smart Control

If you want to install the electric instantaneous water heater invisibly in a cupboard or behind a wall you would like to have convenient remote control of the devices. CLAGE offers various smart options for this. Several instantaneous water heaters in the house or flat can also be networked with each other.





# Smart Control.

For the remote control of CLAGE instantaneous water heaters, there are first of all the classic remote controls. These are either included in the scope of delivery or can be purchased as accessories. The newer E-instant water heaters can also be controlled via smartphone or tablet. To do this, they are connected directly via Bluetooth to the free “Smart Control” app.

Another option is voice control. This requires one of the top devices among the electric instantaneous water heaters, the DSX Touch or the DFX Next. The Home Server is already integrated in these models and they can be connected via Wi-Fi, e.g. with an Echo Dot (Alexa®). The integrated Home Server can also be used to operate other Bluetooth-enabled electric instantaneous water heaters throughout the house by voice control. With an additional gateway, it is also possible to connect to a KNX® bus system.

## Optionen



**Bluetooth or radio remote control**  
Control with separate control panel



**App (iOS or Android)**  
Control with tablet or smartphone



**Voice control**  
for example with Alexa®



**KNX®-bus system**  
Building automation via KNX® connection



# Control via “Smart Control”-App

## Operation on tablet or smartphone



### Requirements for tablet or smartphone control:

- > iOS devices from version 11 or
- > Android devices from version 5.1
- > App »Smart Control«

### CLAGE “Smart Control” app free of charge:



iOS / App Store



Android / Play Store

Electric instantaneous water heaters can be conveniently operated with the CLAGE “Smart Control” app on a tablet or smartphone. Simply download the app, connect it to the instantaneous water heater via Bluetooth and off you go! The app offers a wide range of functions (depending on the instantaneous model), for example:

#### Users



Settings that can be adjusted by five different users and quickly accessed via their icons.

#### Automatic



Activation of the automatic bath filling function according to adjustable quantity (in litres) and with separate timer function of your instantaneous water heater quite simply via app (DSX Touch and DFX Next).

#### Statistics



One glance at your display will show usage time as well as water and energy use. This provides cost transparency.

#### Saving



Enter electricity and water price and activate the Eco mode. Saving is fun this way.

In addition to convenience, tracking usage data is essential. Usage time, water and energy consumption and of course the costs for the selected period can be quickly viewed on the smartphone or tablet. The user can adjust his consumption behaviour, save costs and thus protect the environment.

### The following electric instantaneous water heaters from CLAGE can be controlled with the “Smart Control” app:



DSX Touch, DFX Next, DEX Next S, DEX Next, CFX-U, CEX-U, CEX and MCX from year of manufacture 2022.

# Smart hot water control

## Intelligent solutions for your home

You would like to control your hot water supply by voice? Or would you rather connect everything to the KNX® bus system? No problem!

#### Voice control (e.g. Alexa®)

“Alexa, water to 38 degrees!” - The new DSX Touch and DFX Next can be easily controlled by voice. This offers maximum comfort in the bathroom. Thanks to the Home Server integrated in the unit, additional electric instantaneous water heaters with Bluetooth function can also be connected and controlled by voice. This applies to the following devices:

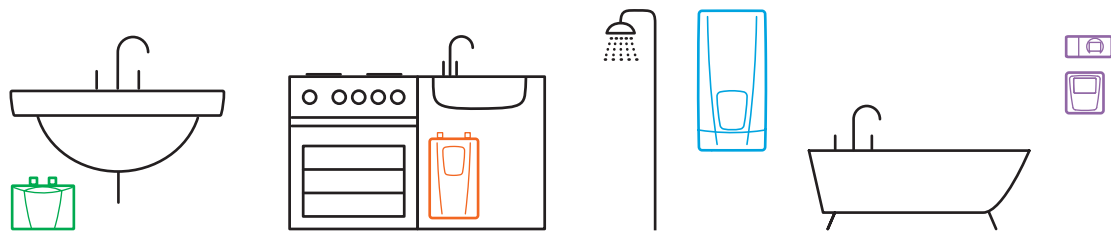
- > E-comfort instantaneous water heater:  
DEX Next S, DEX Next (from year of construction 2021)
- > E-compact instantaneous water heaters:  
CEX-U, CEX and CFX-U (from year of construction 2022)

#### KNX®-Connection with gateway

With our KNX® gateway module for the KNX® bus system, this can be implemented without any problems. The bidirectional gateway is used to connect a DSX Touch / DFX Next to the KNX® bus system of the building automation.

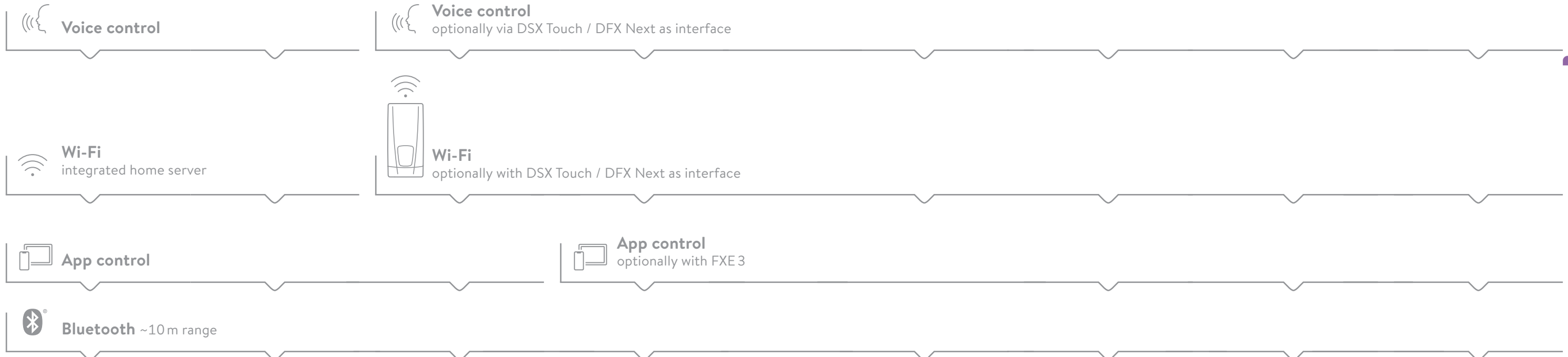
**HS-K KNX® Gateway:** Part no. 3200-34034





# Smart Control at a glance

## Smart and wireless control devices



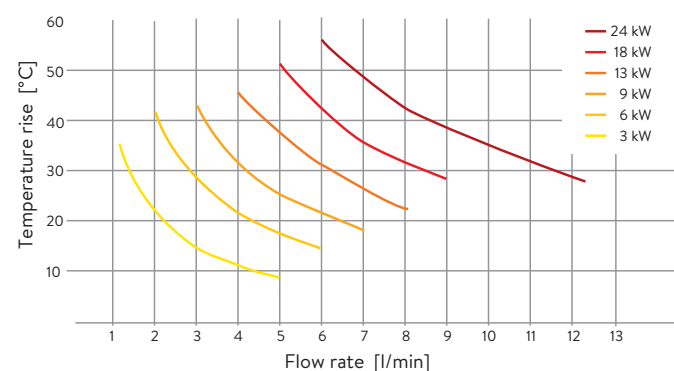


# General data for water heating

## Power conversion table

1~ 220 – 240V AC (single phase)			3~ 400V AC (three phase)		
220 V	230 V	240 V	380 V	400 V	415 V
3.2 kW	3.5 kW	3.8 kW	12.2 kW	13.5 kW	14.5 kW
4.0 kW	4.4 kW	4.8 kW	16.2 kW	18.0 kW	19.4 kW
5.2 kW	5.7 kW	6.2 kW	19.0 kW	21.0 kW	22.6 kW
6.0 kW	6.6 kW	7.2 kW	21.6 kW	24.0 kW	25.8 kW
8.0 kW	8.8 kW	9.6 kW	24.4 kW	27.0 kW	
10.5 kW	11.5 kW	12.5 kW			

## Instantaneous performance chart



## Instantaneous performance calculations

$$\text{Temperature rise}^* [^{\circ}\text{C}] = \frac{\text{Nominal power rating [kW]} \times 14.3}{\text{Flow per minute [litres]}}$$

$$\text{Flow per minute [litres]} = \frac{\text{Nominal power rating [kW]} \times 14.3}{\text{Temperature rise [}^{\circ}\text{C]}}$$

## Power required

$$\text{Nominal power rating required to heat water [kW]} = \frac{\text{Litres / minute} \times \text{Temperature rise [}^{\circ}\text{C]}}{14.3}$$

## Mean temperature of mixed water

$$\text{Mean temperature [}^{\circ}\text{C]} = \frac{(\text{Hot water [litres]} \times \text{Hot water temperature [}^{\circ}\text{C]}) + (\text{Cold water [litres]} \times \text{Cold water temperature [}^{\circ}\text{C]})}{\text{Hot water [litres]} + \text{Cold water [litres]}}$$

## Physical constants

### Temperature conversion:

$$\begin{aligned} \text{Temperature [}^{\circ}\text{C]} &= (\text{Temperature [}^{\circ}\text{F]} - 32) \div 1.8 \\ \text{Temperature [}^{\circ}\text{F]} &= \text{Temperature [}^{\circ}\text{C]} \times 1.8 + 32 \end{aligned}$$

### Volume conversion:

$$\begin{aligned} 1 \text{ litre} &= 0.1 \text{ MPa} \\ &= 14.5 \text{ psi} \\ 1 \text{ gallon (GB)} &= 4.54 \text{ litres} \\ 1 \text{ gallon (US)} &= 3.78 \text{ litres} \end{aligned}$$

### Pressure conversion:

$$\begin{aligned} 1 \text{ bar} &= 0.1 \text{ MPa} \\ &= 14.5 \text{ psi} \\ &= 100 \text{ kN/m}^2 \\ 1 \text{ ft head of water} &= 0.434 \text{ psi} \end{aligned}$$

## General site requirements

- > Electric instantaneous water heaters may only be installed **by a plumber and/or electrician.**
- > The installation must comply with current **IEC and national local regulations** or any particular regulations, specified by the local electricity supply company.
- > Material of water pipes must be **stainless steel or copper.** Plastic pipes may only be used if they conform to the relevant standard.
- > Best performance is guaranteed at a **flow pressure between 2 and 4 bar** (30 – 60 psi), avoiding the maximum pressure stated on the appliance rating plate.

- > Electrical water heaters **must be connected to the protective earth conductor!**
- > An all-pole disconnecting device (e.g. via fuses) with a contact opening width of at least 3 mm per pole should be provided at the installation end.
- > To protect the appliance, **a fuse element must be fitted** with a tripping current commensurate with the nominal current of the appliance.
- > For maintenance work, **a shut-off valve** should be installed in the supply line. The appliance must be accessible for maintenance work.

## No problem with the E-installation!

- > When using heat pumps, e-cars, etc., 3 × 63A are common in single-family houses (apartment buildings ≥ 3 × 80A) and are also completely sufficient for E-instant water heaters.

## Guidance on sizing of electrical building connection:

- > Primarily: constantly running electrical consumers (elevators, room heating, ventilation, air conditioning, lighting etc.)
- > Decentral electric instant water heating: Low simultaneity
- > Electronic power control based on consumption (delta T, l/min)
- > Short usage times: e.g. 30 sec hand washing, 3 – 5 min shower)
- > For example: Simultaneity at 10 housing units 25%, at 50 units only 7.3%, at 100 units only 4.4%

\*Temperature rise [°C] = Hot water temperature - Cold water temperature

# Awarded and certified!



Zertifiziert nach  
DIN EN ISO 9001  
DIN EN ISO 14001

VDE-certified acc. to  
ISO 9001:2015  
ISO 14001:2015  
Quality Management





**Brochure Hot water guide for house construction**

The new hot water guide from CLAGE is aimed at architects, planners and private builders and is designed to help you make the right decision in good time with regard to the hot water supply when building a house.



**Product video DSX Touch**

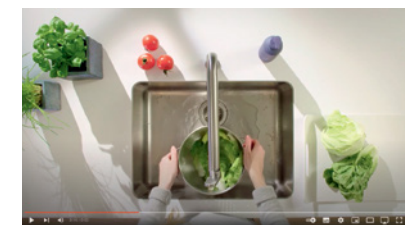


**Catalogue Zip boiling and water systems**

Whether boiling, still chilled or bubbling: With Zip we always have the right water system for you.



**Product video CFX-U**



**Catalogue Hot water storage heaters and boiling water heaters**

5- to 120-litre storage tanks for different applications can be found in this catalogue.



**Product video MCX Blue**



[www.clage.com](http://www.clage.com)

Here you will find our online product advice, product information, further material to download, installation videos, references and of course everything about our products and the company. **Follow us!**



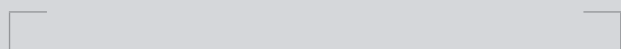




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