

# Experience efficiency Enjoy convenience

Easily cover any domestic hot water demand and save energy



I have to start the day with a shower.  
The hot water is so invigorating, and  
being able to enjoy it – with peace of  
mind for the environment – gets me  
ready for whatever the day holds.

Comfort through technology



# You decide how efficiency and comfort are controlled

You can tell which instantaneous water heater will best suit your needs by looking at the level of DHW convenience it will offer you. The technical information about the type of control system in the appliance can help you here. It shows you how constantly the temperature of the water coming out of the appliance is maintained.

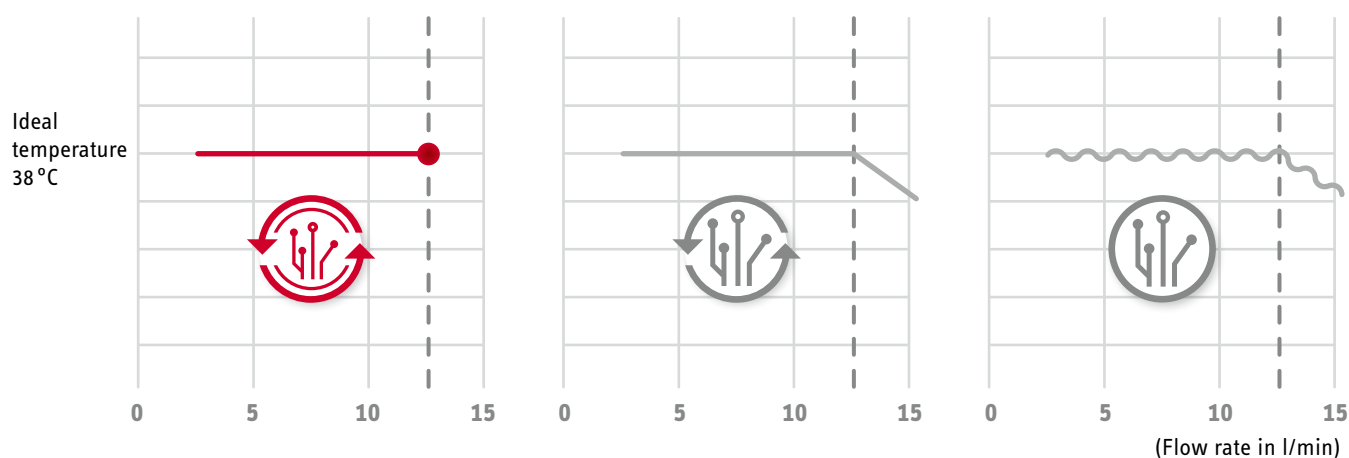
Various factors influence the temperature at your tap, which sensors are able to detect. The better equipped your appliance is, the more sensors it has to influence the water temperature. For you, this means the water you need at a constant temperature – day after day.

› Full electronic closed-loop control defines premium comfort. The appliance ensures accurate temperature delivery at all times, without fluctuations, and achieves maximum efficiency.

› Electronic closed-loop control with outlet sensor for a high level of DHW convenience. The appliance maintains a constant and precise DHW temperature right up to the output limit with very high efficiency.

› Electronic open-loop control guarantees everyday DHW convenience. By mixing in DHW at the tap, you get a constant supply of hot water and low energy consumption.

## Comparison of technology for DHW convenience



### Full electronic closed-loop control

Constant DHW temperature at all times. When the output limit is reached, the flow rate is maintained fully automatically with the maximum water volume

### Electronic closed-loop control

Constant DHW temperature up to the output limit, then decreasing at higher flow rates

### Electronic open-loop control

Practically constant DHW temperature up to the output limit, then decreasing at higher flow rates

— — — — — Output limit (at approx. 12.5 l/min; dependent on the appliance output)

# Make the most of your opportunities

When you take a shower, the blissful cascade of hot water makes you feel safe and secure. Especially when it's as reliable as the supply offered by our instantaneous water heaters. They always deliver water exactly when you need it, at the temperature of your choice. That's what we call comfort, which is why we have given our appliances this name. They are ideal for bathrooms or kitchens, where they can easily meet greater demands at higher temperatures.

## Select comfort instantaneous water heaters



Page 06



Page 08

Model	Page 06	Page 08
Energy efficiency class	PER A	PER A
Control concept	Full electronic control	Electronic control with outlet sensor (closed-loop control circuit)
Temperature selection	Variable, 30–60 °C	Variable, 30–60 °C
Display and operation	Multifunction display + rotary selector	LCD with backlighting + rotary selector
Mini wireless remote control included	■	
ECO mode	■	
Temperature memory	■	
Anti-scalding protection (childproofing) can be set to 43 °C	■   ■	
Selectable output	■	■
Product class	Premium	Plus



**Page 10**

**PEY**

A  
Electronic control with outlet sensor  
(closed-loop control circuit)

Variable, 30–60 °C  
Rotary selector

■  
Plus



**Page 12**

**PEG**

A  
Electronic control (open-loop control circuit)

Two-stage, 42, 55 °C  
Rotary selector

Trend



**Page 14**

**PHB**

A  
Hydraulic control

2 x 2 output stages  
Rotary selector

Trend

# Use water your way

PER comfort instantaneous water heater

Every one of our fully electronic instantaneous water heater models provides hot water at the exact temperature you have set at all times. No ifs or buts. To make this work, the appliances compensate for all external influences. As a result, only the water you want comes out of your tap. How about that for convenience?

#### **Know exactly what's going on**

The digital multifunction display clearly shows you your preferred water temperature and the ECO level. Use the two memory buttons to quickly select your individual temperatures of choice. In addition, further convenience and safety functions are available.

#### **Top product features**

- › Maximum convenience thanks to full electronic control
- › Accurate temperature delivery at all times due to automatic flow rate control
- › Remote control included (up to 25 m range)
- › High energy efficiency – up to 30% savings possible compared to hydraulic instantaneous water heaters
- › Particularly economical operation with ECO mode
- › Extensive range of convenience and safety functions
- › Suitable for preheated water up to 45 °C



ECO mode



Full electronic  
closed-loop  
control







# Perfect your showering experience

PE0 comfort instantaneous water heater

Showering has never been such a convenient experience. This electronically controlled instantaneous water heater always supplies you with precisely the preferred temperature and is highly efficient at the same time. You can easily see the set temperature on the large illuminated display.

#### Use hot water safely

On a practical front, the digital temperature setting is very precise, with steps of just one degree at a time. If the temperature is above 43°C, the display changes from blue to red, indicating that you are at risk of scalding yourself.

#### Top product features

- › Maximum convenience thanks to electronic control with outlet sensor
- › Accurate temperature delivery up to the maximum output
- › High energy efficiency – up to 30 % savings possible compared to hydraulic instantaneous water heaters
- › Digital Temperature setting from 30–60 °C
- › Suitable for preheated water up to 45 °C
- › Integral diagnostic system
- › Scale-resistant bare wire heating system



Electronic  
closed-loop  
control

# Adjust water to suit your needs

PEY comfort instantaneous water heater

This instantaneous water heater has everything under control. You'll no longer be hampered by temperature fluctuations and long water heating times. Why? Because the electronic control system constantly monitors the water temperature. For you, this means absolutely accurate temperature delivery.

#### Flexible settings with immediate results

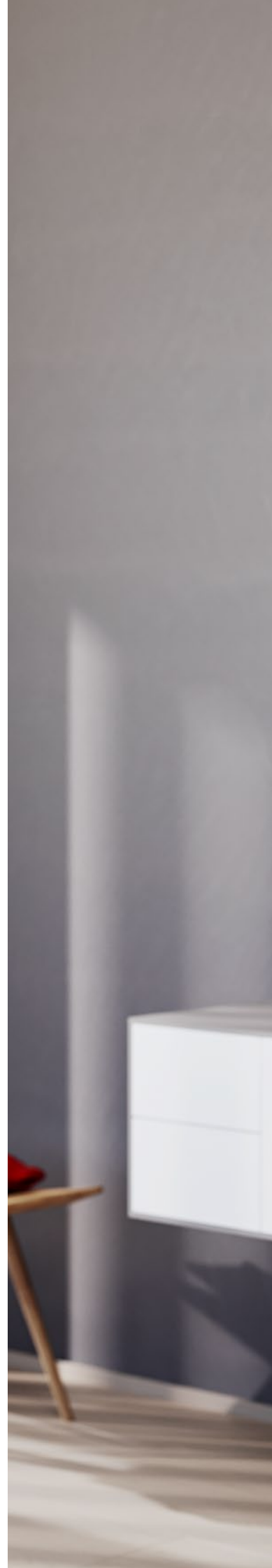
This appliance is also extremely convenient to operate. With the practical rotary selector, you can set the required temperature quickly and easily. The analogue temperature scale gives you a clear view of your choice.

#### Top product features

- › Maximum convenience thanks to electronic control with outlet sensor
- › Accurate temperature delivery up to the maximum output
- › High energy efficiency – up to 30 % savings possible compared to hydraulic instantaneous water heaters
- › Freely selectable temperature setting between 30 °C and 60 °C
- › Integral diagnostic system
- › Scale-resistant bare wire heating system



Electronic  
closed-loop  
control







# Rely on a constant output

PEG comfort instantaneous water heater

This instantaneous water heater makes things particularly easy for you. The two-stage selection determines the temperature at which the water comes out of the tap. You have the choice between approx. 42 °C and 55 °C. Once set, you can absolutely rely on this output.

#### Carefree warm water

Our appliance reliably maintains the selected temperature thanks to its electronic control system. In addition, it indicates when you are at risk of scalding. So there is nothing to stop you enjoying soothing warm water every single day.

#### Top product features

- › Maximum comfort thanks to electronic control
- › Consistent temperature delivery up to the maximum output
- › High energy efficiency – up to 30 % savings possible compared to hydraulic instantaneous water heaters
- › Two-stage temperature setting with application symbols
- › Scale-resistant bare wire heating system



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Electronic  
open-loop  
control

# All you need to do is get the right mix

PHB comfort instantaneous water heater

There are different levels of comfort to enjoy with this instantaneous water heater. This is because the appliance puts four output stages at your disposal. You can easily achieve your preferred temperature by mixing in cold water at the draw-off point.

#### **Ready for anything**

Whether your home has soft or hard water makes no difference to this robust appliance. Thanks to its bare wire heating system, this instantaneous water heater is suitable for almost all water qualities and always delivers a convincing performance.

#### **Top product features**

- › Hydraulic control
- › Four output stages – two manually adjustable, two hydraulically controlled
- › Scale-resistant bare wire heating system



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Hydraulic  
control



## Select comfort instantaneous water heater product comparison

		<b>PER 18/21/24</b>
<b>Part number</b>		<b>233990</b>
Rated voltage	V	400
Rated voltage 1	V	380
Rated voltage 2	V	400
Rated voltage 3	V	415
Rated output	kW	18/21/24
Rated output 1	kW	16.2/19/21.7
Rated output 2	kW	18/21/24
Rated output 3	kW	19.4/22.6/25.8
Rated current	A	29/31/35
Rated current 1	A	27.6/29.5/33.3
Rated current 2	A	29/31/35
Rated current 3	A	30.1/32.2/36.3
Fuse protection	A	32/32/35
Fuse protection 1	A	32/32/35
Fuse protection 2	A	32/32/35
Fuse protection 3	A	32/32/40
Frequency	Hz	50/60
Frequency 1	Hz	50/60
Frequency 2	Hz	50/60
Frequency 3	Hz	50/-
Phases		3/PE
Temperature setting	°C	30-60
Colour		white
Height	mm	485
Width	mm	226
Depth	mm	93
Weight	kg	3.80
Energy efficiency class		A
Product class Premium/Plus/Trend		■/-/-

		<b>PEO 18/21/24</b>	<b>PEO 27</b>
<b>Part number</b>		<b>233991</b>	<b>233992</b>
Rated voltage	V	400	400
Rated voltage 1	V	380	380
Rated voltage 2	V	400	400
Rated voltage 3	V	415	
Rated output	kW	18/21/24	27
Rated output 1	kW	16.2/19/21.7	24.4
Rated output 2	kW	18/21/24	27
Rated output 3	kW	19.4/22.6/25.8	
Rated current	A	29/31/35	39
Rated current 1	A	27.6/29.5/33.3	37.1
Rated current 2	A	29/31/35	39
Rated current 3	A	30.1/32.2/36.3	
Fuse protection	A	32/32/35	40
Fuse protection 1	A	32/32/35	40
Fuse protection 2	A	32/32/35	40
Fuse protection 3	A	32/32/40	
Frequency	Hz	50/60	50/60
Frequency 1	Hz	50/60	50/60
Frequency 2	Hz	50/60	50/60
Frequency 3	Hz	50/-	
Phases		3/PE	3/PE
IP rating		IP 25	IP 25
Temperature setting	°C	30 - 60	30 - 60
Colour		white	white
Height	mm	485	485
Width	mm	226	226
Depth	mm	93	93
Weight	kg	3.60	3.60
Energy efficiency class		A	A
Product class Premium/Plus/Trend		-/■/-	-/■/-



## Select comfort instantaneous water heater product comparison

		<b>PEY 18/21/24</b>	
<b>Part number</b>		<b>233993</b>	
Rated voltage	V	400	
Rated voltage 1	V	380	
Rated voltage 2	V	400	
Rated voltage 3	V	415	
Rated output	kW	18/21/24	
Rated output 1	kW	16.2/19/21.7	
Rated output 2	kW	18/21/24	
Rated output 3	kW	19.4/22.6/25.8	
Rated current	A	29/31/35	
Rated current 1	A	27.6/29.5/33.3	
Rated current 2	A	29/31/35	
Rated current 3	A	30.1/32.2/36.3	
Fuse protection	A	32/32/35	
Fuse protection 1	A	32/32/35	
Fuse protection 2	A	32/32/35	
Fuse protection 3	A	32/32/40	
Frequency	Hz	50/60	
Frequency 1	Hz	50/60	
Frequency 2	Hz	50/60	
Frequency 3	Hz	50/-	
Phases		3/PE	
Temperature setting	°C	30 - 60	
Colour		white	
Height	mm	485	
Width	mm	226	
Depth	mm	93	
Weight	kg	3.60	
Energy efficiency class		A	
Product class Premium/Plus/Trend		-/■/-	

		<b>PEG 13</b>	<b>PEG 18</b>	<b>PEG 21</b>	<b>PEG 24</b>
<b>Part number</b>		<b>233994</b>	<b>233995</b>	<b>233996</b>	<b>233997</b>
Rated voltage	V	400	400	400	400
Rated voltage 1	V	380	380	380	380
Rated voltage 2	V	400	400	400	400
Rated output	kW	13.5	18	21	24
Rated output 1	kW	12.2	16.2	19	21.7
Rated output 2	kW	13.5	18	21	24
Rated current	A	19.5	26	31	35
Rated current 1	A	18.5	24.7	29.5	33.3
Rated current 2	A	19.5	26	31	35
Fuse protection	A	20	25	32	35
Fuse protection 1	A	20	25	32	35
Fuse protection 2	A	20	25	32	35
Frequency	Hz	50/60	50/60	50/60	50/60
Frequency 1	Hz	50/60	50/60	50/60	50/60
Frequency 2	Hz	50/60	50/60	50/60	50/60
Phases		3/PE	3/PE	3/PE	3/PE
Temperature setting	°C	42 - 55	42 - 55	42 - 55	42 - 55
Colour		white	white	white	white
Height	mm	485	485	485	485
Width	mm	226	226	226	226
Depth	mm	93	93	93	93
Weight	kg	3.60	3.60	3.60	3.60
Energy efficiency class		A	A	A	A
Product class Premium/Plus/Trend		-/■/■	-/■/■	-/■/■	-/■/■

## Select comfort instantaneous water heater product comparison

		<b>PHB 13</b>	<b>PHB 18</b>	<b>PHB 21</b>	<b>PHB 24</b>
<b>Part number</b>		<b>233998</b>	<b>233999</b>	<b>234000</b>	<b>234001</b>
Rated voltage	V	400	400	400	400
Rated voltage 1	V	380	380	380	380
Rated voltage 2	V	400	400	400	400
Rated output	kW	13.5	18	21	24
Rated output 1	kW	12.2	16.2	19	21.7
Rated output 2	kW	13.5	18	21	24
Rated current	A	19.5	26	31	35
Rated current 1	A	18.5	24.7	29.5	33.3
Rated current 2	A	19.5	26	31	35
Fuse protection	A	20	25	32	35
Fuse protection 1	A	20	25	32	35
Fuse protection 2	A	20	25	32	35
Frequency	Hz	50/60	50/60	50/60	50/60
Frequency 1	Hz	50/60	50/60	50/60	50/60
Frequency 2	Hz	50/60	50/60	50/60	50/60
Phases		3/PE	3/PE	3/PE	3/PE
ON stage I	l/min	2.4	3.0	3.5	4.1
ON stage II	l/min	3.9	4.9	5.6	6.3
IP rating		IP 25	IP 25	IP 25	IP 25
Colour		white	white	white	white
Height	mm	485	485	485	485
Width	mm	226	226	226	226
Depth	mm	93	93	93	93
Weight	kg	3.60	3.60	3.60	3.60
Energy efficiency class		A	A	A	A
Product class Premium/Plus/Trend		-/-/■	-/-/■	-/-/■	-/-/■

# Sustainable comfort

Electricity is the future. With the development of green technologies, we advocate innovative, environmentally responsible and futureproof building services – so that you can enjoy sustainable comfort at home. As a family business, we act for the future – yours and ours.



Since 1924, STIEBEL ELTRON has been synonymous with reliable solutions for domestic hot water, heating, ventilation and cooling. We maintain a clear focus in the energy debate: electricity, preferably harnessed from renewables, is the energy of the future. That is why we rely on approximately 5000 employees around the world for efficient heating solutions with green technologies.

From the design and manufacture of your appliance through to its maintenance, we systematically apply our expertise, strength of innovation and experience – gained from working with customers with high standards, such as yourself, and from the sale of more than two million appliances each year. We have the right solutions to meet every requirement. Solutions designed to raise the level of convenience in your home today and still be up to date tomorrow.

You can see first hand our commitment to green technology by visiting the Energy Campus at our head office in Holzminden, Germany. This training and communication centre is our flagship project for sustainable and resource-efficient construction. It combines the highest standards of architectural and communication quality. As a PlusEnergy building, it generates more energy than it consumes. Come and experience what our name stands for – in theory and practice.

## Partnership with vision

We are a premium and sustainability partner of the Bundesliga football team Borussia Dortmund. As a heating expert, we are supporting the BVB on its path to a CO<sub>2</sub>-free future.

**STIEBEL ELTRON**



**Sustainability Partner**  
of Borussia Dortmund



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