

# 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.

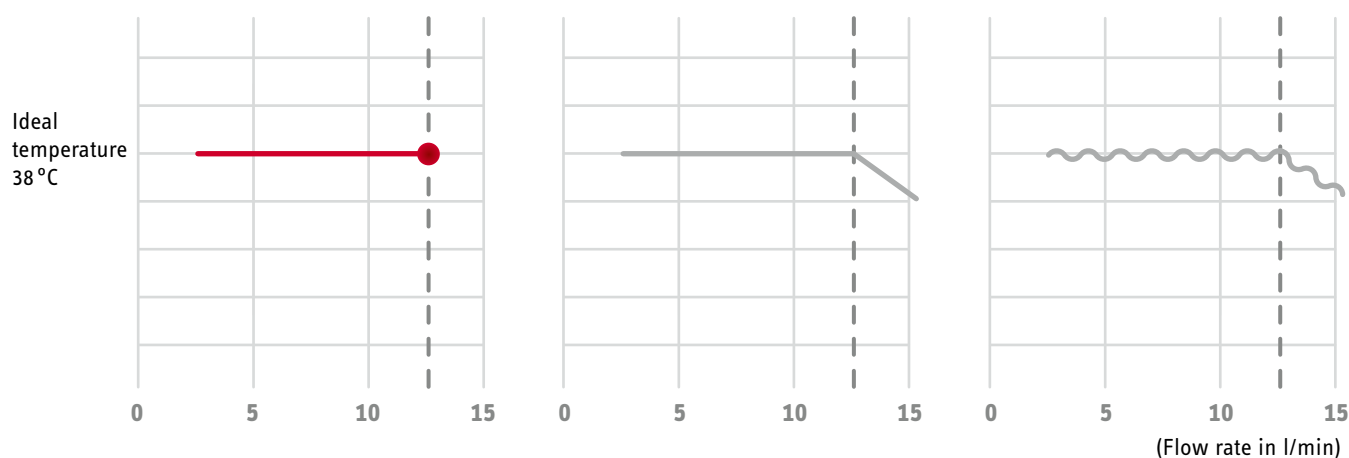
Various factors influence the temperature at your tap, which sensors are able to detect. The better equipped your appliance is, the more sensors it has to influence the water temperature. For you, this means the water you need at a constant temperature – day after day.

› 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)

# 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



	<b>Page 06</b>	<b>Page 08</b>
<b>Model</b>	<b>PER</b>	<b>PEO</b>
Energy efficiency class	A	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?

#### **Reliably glean key information at a glance**

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 comfort 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
- › Particularly economical operation with ECO mode
- › Precise and quick temperature adjustment from 30 °C to 60 °C in 0.5 °C increments
- › Extensive range of convenience and safety functions
- › Suitable for preheated water (up to 45 °C)



ECO-Modus



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 exactly the right 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 comfort thanks to electronic control with outlet sensor
- › Accurate temperature delivery up to the maximum output
- › High energy efficiency – up to 30 % savings possible
- › Digital temperature adjustment from 30 °C to 60 °C in 1 °C increments
- › 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. And why? The electronic control system constantly monitors the water temperature. For you, this means accurate temperature delivery without restrictions.

## 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 flexibly. The analogue temperature scale gives you a clear view of your choice.

## Top product features

- › Maximum comfort thanks to electronic control with outlet sensor
- › Accurate temperature delivery up to the maximum output
- › High energy efficiency – up to 30 % savings possible
- › 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 20 % savings possible
- › Two-stage temperature setting with application symbols
- › Integral diagnostic system
- › 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, as you have four output stages at your disposal. You can easily achieve your preferred temperature by mixing in cold water at the tap.

#### **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>Model</b>	<b>PER 18/21/24</b>	
	<b>233990</b>	
Energy efficiency class	A	
Rated output	kW	18/21/24
Rated current	A	29/31/35
Fuses	A	32/32/35
Phases	3/PE	
Rated voltage	V	400
Frequency	Hz	50/60
Max. permissible inlet temperature	°C	65
DHW delivery	l/min	9.4/11.0/12.6
Height/Width/Depth	mm	485/226/93
IP-Rating	IP25	
Product class Premium/Plus/Trend	■/-/-	

<b>Model</b>	<b>PEO 18/21/24</b>		<b>PEO 27</b>
	<b>233991</b>		<b>233992</b>
Energy efficiency class	A		A
Rated output	kW	18/21/24	27
Rated current	A	29/31/35	39
Fuses	A	32/32/35	40
Phases	3/PE		3/PE
Rated voltage	V	400	400
Frequency	Hz	50/60	50/60
Max. permissible inlet temperature	°C	65	65
DHW delivery	l/min	9.4/11.0/12.6	14.2
Height/Width/Depth	mm	485/226/93	485/226/93
IP-Rating	IP25		IP25
Product class Premium/Plus/Trend	-/■/-		-/■/-

<b>Model</b>	<b>PEY 18/21/24</b>	
	<b>233993</b>	
Energy efficiency class	A	
Rated output	kW	18/21/24
Rated current	A	29/31/35
Fuses	A	32/32/35
Phases	3/PE	
Rated voltage	V	400
Frequency	Hz	50/60
Max. permissible inlet temperature	°C	60
DHW delivery	l/min	9.4/11.0/12.6
Height/Width/Depth	mm	485/226/93
IP-Rating	IP25	
Product class Premium/Plus/Trend	-/■/-	



## Select comfort instantaneous water heater product comparison

<b>Model</b>		<b>PEG 13</b>	<b>PEG 18</b>	<b>PEG 21</b>	<b>PEG 24</b>
<b>Product number</b>		<b>233994</b>	<b>233995</b>	<b>233996</b>	<b>233997</b>
Energy efficiency class		A	A	A	A
Rated output	kW	13.5	18	21	24
Rated current	A	19.5	26	31	35
Fuses	A	20	25	32	35
Phases		3/PE	3/PE	3/PE	3/PE
Rated voltage	V	400	400	400	400
Frequency	Hz	50/60	50/60	50/60	50/60
Max. permissible inlet temperature	°C	35	35	35	35
DHW delivery	l/min	6.7	9.4	11.6	12.6
Height/Width/Depth	mm	485/226/93	485/226/93	485/226/93	485/226/93
IP-Rating		IP25	IP25	IP25	IP25
Product class Premium/Plus/Trend		-/-/■	-/-/■	-/-/■	-/-/■

<b>Model</b>		<b>PHB 13</b>	<b>PHB 18</b>	<b>PHB 21</b>	<b>PHB 24</b>
<b>Product number</b>		<b>233998</b>	<b>233999</b>	<b>234000</b>	<b>234001</b>
Energy efficiency class		A	A	A	A
Rated output	kW	13.5	18	21	24
Rated current	A	19.5	26	31	35
Fuses	A	20	25	32	35
Phases		3/PE	3/PE	3/PE	3/PE
Rated voltage	V	400	400	400	400
Frequency	Hz	50/60	50/60	50/60	50/60
Max. permissible inlet temperature	°C	25	25	25	25
DHW delivery	l/min	7.0	9.4	11.1	12.5
Height/Width/Depth	mm	485/226/93	485/226/93	485/226/93	485/226/93
IP-Rating		IP25	IP25	IP25	IP25
Product class Premium/Plus/Trend		-/-/■	-/-/■	-/-/■	-/-/■

# Recharge your energy with ours

We need energy to live. As a family business, we endeavour to ensure that energy will still be available in tomorrow's world. That is why we advocate environmentally responsible and efficient building services that safeguard investment. 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 3900 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 solution to meet any 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.



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