STIEBEL ELTRON

03 | 2021

Product Catalogue

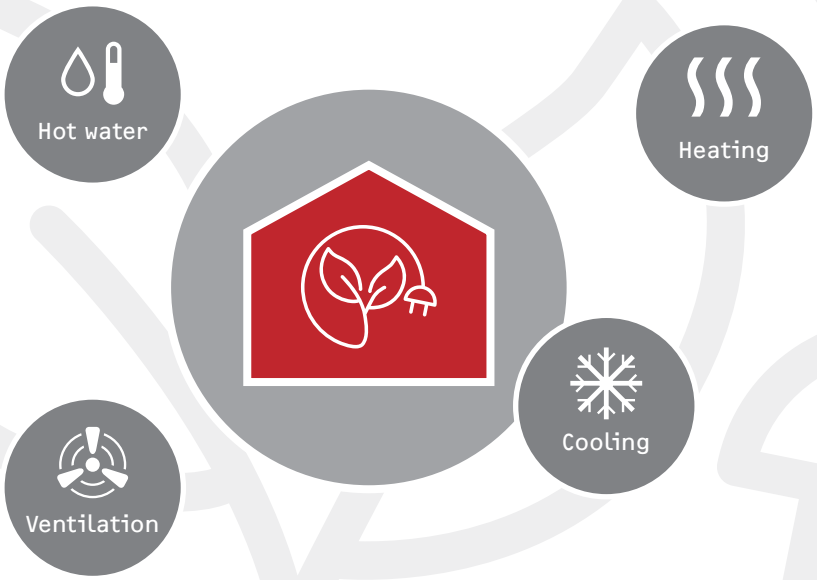
AU

A clear focus: Green tech – not fossil fuels

Electricity is the energy source of the future. It's an infinite resource – unlike oil and gas – so it's ideal for preserving our natural resources. As a family-owned company driven by innovation, we have consistently focused on the development and production of green, energy efficient hot water and home comfort solutions.

Forward thinking is our driving force
STIEBEL ELTRON is one of the leading suppliers in the heating and building services market. A clear focus has helped to direct the development of this family company since its establishment in 1924. For us, forward thinking is a given, enabling us to offer tomorrow's solutions today.

STIEBEL ELTRON offers feel-good technology: for hot water, heating, ventilation and cooling.



Strong roots for a strong future

Futureproof self-sufficiency
Hot water, heating, ventilation, cooling – all advanced building services can be operated using renewables. For even greater self-sufficiency, STIEBEL ELTRON heat pumps can be networked with solar PV and energy management tools to create smart systems. Heating and self-generated electricity are perfectly matched; on-site consumption of solar power is optimised.

Other appliances in the home can also be controlled and thus operated at reasonable cost using solar power generated on site. This lowers household energy bills and CO_2 emissions, whilst boosting self-sufficiency and sustainability.

The future belongs to green tech
Our lives and our homes are changing, as is our use of energy. And as statutory efficiency requirements become more stringent, the energy demand of heating and hot water appliances in our homes must be reduced still further. We are convinced that the answer lies in innovative building services based on renewables, and therefore also on green electricity. As a company, we have set a clear course for the future: green tech instead of oil and gas.

Full of energy since 1924
Since inventing the coil immersion heater, we have invested all of our energy in becoming the global market leader in instantaneous water heaters and one of the largest suppliers in the heating sector. As a pioneer in renewables, we began way back in the seventies to produce heat pumps and solar collectors. A clear focus, both now and then.

The company – Facts and figures

Employees worldwide	approx. 3900
German production facilities	3
International production facilities	4
Subsidiaries	26
Representatives worldwide	120

* As of February 2020.

› 1924
In a Berlin workshop, Dr Stiebel starts manufacturing the coil immersion heater he invented.

› 1957
The first SNU 5 small water heater sets new standards for supplying hot water in kitchens and bathrooms.

› 1976
STIEBEL ELTRON is among the first manufacturers to develop and manufacture heat pumps.

› 1987
STIEBEL ELTRON launches the world's first fully electronic instantaneous water heater.

› 1995
STIEBEL ELTRON Australia commences operations in Melbourne.

› 2015
Energy Campus opens in Germany. STIEBEL ELTRON's modern training centre for professional education and training.

› Full of energy
Our ideas today are the product innovations of tomorrow. This is what keeps us going.

Convenience: it’s all about the technology

Innovative solutions alone are not enough to give you that warm feeling – efficiency matters too. This is where product development at STIEBEL ELTRON really hots up. Our products offer compact water heating solutions, right where you need them.

Instantaneous water heaters

DHE AU
- For multiple outlets
- Stable water output thanks to 4i technology
- Water and energy consumption tracking features
- 20 – 60 °C

DEL Plus
- For kitchens and bathrooms
- 50 °C maximum overcomes the need for an external tempering valve
- ECO mode for energy savings
- Temperature memory function
- 20 – 50 °C

DHB-E LCD
- For multiple outlets
- New generation DHB-E
- Electronically controlled
- Selectable temperature
- 20 – 60 °C

DEM + Sensor tap
- Bundled with a touch-free sensor tap
- Instantaneous water heater
- 50 °C maximum overcomes the need for an external tempering valve
- For a single draw-off point

DHCE
- Ideal for low output requirements
- 50 °C and 60 °C max. models
- Overcome the need for an external tempering valve (50 °C models)

Compact storage water heaters

SNE / SNU
- Point of use supply to a single outlet
- Digital display with energy saving features (SNE)
- Open vented operation – no safe tray or PTR-valve required

SHC
- 60 °C hot water supply to multiple outlets
- Mains pressure operation
- Enamelled steel tank
- Insulated design minimising heat losses

Hot water usage recommendations may vary state to state due to differences in regional climate and cold water temperature.


STIEBEL ELTRON
43.0
85

High level of convenience

DHE AU instantaneous water heater

Learn more about going decentralised

stiebel-eltron.com.au/decentralised

DHE 18 AU / DHE 27 AU

The DHE AU comfort instantaneous water heater supplies water heated to precisely the right temperature at all times. 4i technology also compensates for all external factors, maintaining the required outlet temperature at a constant level.

- Accurate temperature delivery at all times from 20 °C to 60 °C thanks to 4i technology
- Made in Germany
- Quick temperature memory buttons
- ECO function for saving water and energy
- The display shows the current water and energy consumption
- Compact space saving design
- No safe tray, flue or ventilation required

Hand Basin | Wash Basin | Shower | Bath Tub | Kitchen Sink

For product overview, see p. 16

Maximum showering comfort

DEL 13 / 18 / 27 Plus instantaneous water heater & optional wireless remote

Now even easier to operate
The FFB 4 (Set) wireless remote control enables convenient operation of the instantaneous water heater from a distance.

DEL 13 / 18 / 27 Plus

With backlit multifunction display, temperature memory, childproofing and ECO mode, the DEL Plus offers best-in-class comfort and convenience. The energy and water saving ECO mode can be used to limit the maximum flow rate to enable a constant hot water temperature, even where inlet temperatures are low.

- 3i technology for accurate temperature delivery up to the maximum output
- Made in Germany for Australian conditions
- Backlit LCD with memory function
- Energy and water saving ECO mode
- 50 °C unit specifically designed for Australian conditions in accordance with AS3498 – no external temperature control device required

Hand Basin | Wash Basin | Shower | Bath Tub | Kitchen Sink

WaterMark

For product overview, see p. 16

With backlit multifunction display, temperature memory, childproofing and ECO mode, the DEL Plus offers best-in-class comfort and convenience reaching just the right temperature

Single phase electric instantaneous water heaters are ideal for use with hand basins. Water is heated efficiently to the necessary temperature for handwashing, and energy is consumed only while the tap is in use.

Single phase instant water heaters

DEM 6 + WSH Tapware
DHCE 6/50, DHCE 8/50 & DHCE 8/60

Touch free handwashing

With modest dimensions, the DEM 6 single phase instantaneous water heater is mostly concealed by the hand wash basin. Sold with an optional chrome sensor tap, it's a package which goes well with any interior.

- Near constant, accurate temperature delivery up to maximum output
- Maximum of 50 °C hot water in accordance with AS3498
- No safe tray, flue or ventilation required
- Sold with optional touch-free sensor tapware

Hand Basin

For product overview, see p. 17

Compact and efficient all in one

Specifically designed for the Australian market, STIEBEL ELTRON's DHCE range offers three electronically controlled units, with two not exceeding water delivery temperature of 50 °C, overcoming the need for a tempering valve.

- Ideal for low flow applications with a switch-on flow rate of only 1.5 L/min
- Three selectable temperatures for greater convenience
- For use at one or several draw off points
- Compact design for flexible installation
- 50 °C units available - specifically designed in accordance with AS3498 to overcome the need for an external temperature valve
- No safe tray, flue or ventilation required

Hand Basin Kitchen Sink

For product overview, see p. 17

Open vented compact storage water heaters

SNE 5 & SNU 5/10

Hot Water – with energy saving features
Equipped with an electronic control unit to ensure convenient and efficient supply of hot water. The water temperature can be adjusted precisely from the digital display. Power saving timers and ECO mode functions can be enabled at the press of a button.

- Electronic display and control
- LCD displays current temperature, heating and timer information
- Digital temperature adjustment from 30 – 85 °C with learning function
- ECO function can be enabled for power saving operation
- Made in Germany

Kitchen Sink

GPO Plug

WaterMark

Hot water convenience in the smallest of spaces
A small water heater is a neat and quickly installed solution for kitchens with a low but frequent requirement for hot water. Its anti-drip function, in particular, keeps the taps, sink and washbasin free of limescale deposits.

- Designed for single isolated sink
- Energy and water savings
- Low minimum standby power consumption
- To be fitted with specialised open vented tapware
- Made in Germany

Kitchen Sink

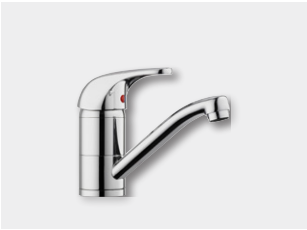
GPO Plug

WaterMark

SNE and SNU must be used with open vented tapware.
For product overview, see p. 17

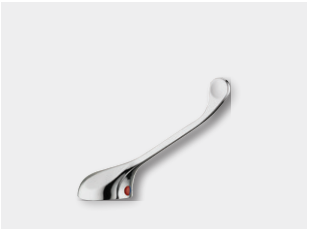
Tapware

MES



MEW

MES-G



Ext. Lever

Undersink appliances heat water at the draw-off point, this reduces energy and water losses through shorter pipe runs. Thanks to high grade thermal insulation, losses from hot water circulation are eliminated while standby losses are reduced.

Image used for display only. Must be installed as per AS/NZS3000 and AS/NZS3500.4.2 as well as local requirements.

Mains pressure compact storage water heaters

No more dead legs


SHC 10

The SHC AU compact storage water heater can supply several low-demand draw-off points. This pressure-tested appliance suits all commercial mains pressure taps and valves.

- Made in Germany
- Standard GPO connection
- Insulated design minimises heat losses
- Premium quality enamelled steel tanks manufactured by STIEBEL ELTRON
- Compact design for concealed and space saving under sink installation
- Smallest 10 and 15 L units on the market

Kitchen Sink

GPO Plug

WaterMark

For product overview, see p. 17

Safe Tray and drain required as per AS/NZS 3500.4.2 & local requirements

Three phase electric instantaneous water heaters



Model	PREMIUM DHE 18 AU / DHE 27 AU	Plus DEL 13 Plus / DEL 18 Plus / DEL 27 Plus	DHB-E 13 LCD / DHB-E 18 LCD / DHB-E 27 LCD
Rated output (415 V)	19.4 kW / 28.0 kW	14.5 kW / 19.4 kW / 28.0 kW	14.5 kW / 19.4 kW / 28.0 kW
Control concept	4i	3i	3i
Temperature selection	Variable, 20 – 60 °C	Variable, 20 – 50 °C	Variable, 20 – 60 °C
Display and operation	Multifunction display + rotary selector	Multifunction display + rotary selector	LCD + rotary selector
Connection	3/PE	3/PE	3/PE
Rated current (415 V)	27 A / 39 A	20 A / 27 A / 39 A	20 A / 27 A / 39 A
Activation flow rate	2.5 L/min	2.5 L/min	2.5 L/min
ECO mode	■	■	
Temperature memory	■	■	
No flue or ventilation required	■	■	■
Height | Width | Depth	466 | 225 | 116 mm	466 | 225 | 116 mm	466 | 225 | 116 mm

Temperature rise chart – A matter of physics

Calculating Output Water Temperature

Add the below temperature rise values to your incoming cold water temperature to calculate output at a desired flow rate. Maximum selected temperatures will not be exceeded, regardless of incoming cold water temperature.

Seasonal Average Cold Water Temperatures

Melbourne: 15 °C

Sydney/Brisbane/Perth/Adelaide: 18 °C

Canberra/Hobart: 14 °C

Townsville/Darwin: 25 °C

		Flow Rate in L/min													
Model	**Rated Output**	**1.5**	**2.5**	**3**	**4**	**5**	**6**	**7**	**8**	**9**	**10**	**11**	**12**	**13**	**14**
DHE 18 AU	19.4 kW		+60 °C	+60 °C	+60 °C	+55 °C	+46 °C	+39 °C	+34 °C	+30 °C	+27 °C	+25 °C	+23 °C	+21 °C	+19 °C
DHE 27 AU	28.0 kW		+60 °C	+60 °C	+60 °C	+60 °C	+60 °C	+59 °C	+52 °C	+46 °C	+41 °C	+37 °C	+34 °C	+32 °C	+29 °C
DEL 13 Plus	14.5 kW		+50 °C	+50 °C	+50 °C	+41 °C	+34 °C	+29 °C	+25 °C	+23 °C	+20 °C	+18 °C	+17 °C	+15 °C	+14 °C
DEL 18 Plus	19.4 kW		+50 °C	+50 °C	+50 °C	+50 °C	+46 °C	+39 °C	+34 °C	+30 °C	+27 °C	+25 °C	+23 °C	+21 °C	+19 °C
DEL 27 Plus	28.0 kW		+50 °C	+50 °C	+50 °C	+50 °C	+50 °C	+50 °C	+50 °C	+44 °C	+40 °C	+36 °C	+33 °C	+30 °C	+28 °C
DHB-E 13 LCD	14.5 kW				+51 °C	+41 °C	+34 °C	+29 °C	+25 °C	+23 °C	+20 °C	+18 °C	+17 °C	+15 °C	+14 °C
DHB-E 18 LCD	19.4 kW				+60 °C	+55 °C	+46 °C	+39 °C	+34 °C	+30 °C	+27 °C	+25 °C	+23 °C	+21 °C	+19 °C
DHB-E 27 LCD	28.0 kW				+60 °C	+60 °C	+60 °C	+57 °C	+50 °C	+44 °C	+40 °C	+36 °C	+33 °C	+30 °C	+28 °C
DEM 6	6.2 kW		+35 °C	+29 °C	+22 °C	+17 °C	+14 °C								
DHCE 6/50	7.1 kW	+50 °C	+40 °C	+33 °C	+25 °C	+20 °C	+16 °C	+14 °C	+12 °C	+11 °C					
DHCE 8/50	9.5 kW	+50 °C	+50 °C	+45 °C	+33 °C	+27 °C	+22 °C	+19 °C	+16 °C	+15 °C					
DHCE 8/60	9.5 kW	+60 °C	+54 °C	+45 °C	+33 °C	+27 °C	+22 °C	+19 °C	+16 °C	+15 °C					

Single phase electric instantaneous water heaters



	PREMIUM	Plus	
Model	**DEM 6**	**DHCE 6/50 / DHCE 8/50**	**DHCE 8/60**
Rated output (240 V)	6.2 kW	7.1 kW / 9.5 kW	9.5 kW
Control concept	Electronic closed-loop control	2i	2i
Temperature range	50 °C max.	Position • : 40 °C max. Position •• : 45 °C max. Position ••• : 50 °C max.	Position • : 40 °C max. Position •• : 50 °C max. Position ••• : 60 °C max.
Display and operation		Rotary selector	Rotary selector
Connection	1/N/PE	1/N/PE	1/N/PE
Rated current (240 V)	25.8 A	30 A / 40 A	40 A
Activation flow rate	2.2 L/min	1.5 L/min	1.5 L/min
No flue or ventilation required	■	■	■
Height | Width | Depth	143 | 190 | 82 mm	360 | 200 | 110 mm	360 | 200 | 110 mm

Compact storage water heaters



	PREMIUM	Plus	
Model	**SNE 5**	**SNU 5 / SNU 10**	**SHC 10 / SHC 15**
Appliance type	Open vented	Open vented	Mains pressure
Rated capacity	5 L	5 / 10 L	10 / 15 L
Mixed water volume at 40 °C	10 L	10 / 19 L	15.3 / 23 L
Temperature selection	Constant precise temperature, variable, 30-85 °C	Variable, 30 – 85 °C	Factory set, 60 °C
Connection	1/N/PE - 230 V - 10 A	1/N/PE - 230 V - 10 A	1/N/PE - 230 V - 10 A
Standby energy consumption per 24 h at 65 °C	0.20 kWh	0.20 / 0.32 kWh	0.50 / 0.53 kWh
Tank material	Plastic	Plastic	Enamelled steel
Display and operation	Multifunction display	Rotary selector	
Number of outlets	Single	Single	Multiple
Plug in	■	■ / ■	■ / ■
ECO mode	■		
Inbuilt timers & learning function	■		
Height | Width | Depth	421 | 263 | 230 mm	421 | 263 | 230 / 503 | 295 | 275 mm	498 | 280 | 270 / 523 | 320 | 318 mm (incl. PTR)

Be inspired by technology that's green.

STIEBEL ELTRON offers solutions that can help to drastically reduce energy consumption. The use of intelligent, energy efficient technology, in combination with renewables, allows us to become futureproof.

Heat pumps

Hot Water Heat Pumps
- Quiet operation thanks to encased compressor design
- Indoor and outdoor installation
- Solar PV ready
- Generous federal and state government rebates available

Outdoor Air Source Heat Pumps
- Wide operation range, down to -20 °C
- Extremely quiet
- Hot water, heating and cooling
- SmartGrid and solar PV ready

Geothermal Heat Pumps
- Ideal for cold climates
- Compact design with inbuilt pumps
- Suitable for vertical probes, horizontal collectors or water-to-water open loop configurations

Indoor Air Source Heat Pump
- Ideal for retrofits or where outdoor space is limited
- Built in circulation pump and 3 way valve for domestic hot water
- Excellent performance

Commercial & High Capacity Heat Pumps
- Large capacity air source and geothermal heat pumps for heating, cooling and hot water
- Cascade for output up to 1.6 MW

Heat recovery ventilation

Centralised Heat Recovery Ventilation
- Excellent heat recovery rates up to 94%
- Quiet operation
- Bypass cooling feature
- Air flow rates 50 – 400 m^3/h

Decentralised Heat Recovery Ventilation
- Suitable for retrofits and new builds
- Up to 92% heat recovery
- Telescopic ducting for easy installation

Tanks and accessories

Buffer Tanks
- Problem solver in complex hydronic heating systems
- 100 – 1500 L capacity

Combi Tanks
- Simplifies hydronic heat pump installation
- Combined buffer and domestic hot water cylinder
- Models available including inbuilt heat pump manager

Domestic Hot Water Cylinders
- Instantaneous cylinders can provide endless hot water when paired with a suitable heat pump
- Wide range of domestic hot water cylinders for any project
- Large coil surface area for maximum heat transfer
- Solar thermal compatible models

Internet-Service-Gateway
- Control and monitor your heat pump from anywhere online via a web interface or mobile device
- Communicates with the STIEBEL ELTRON customer service centre

First-class convenience from right outside

New WWK with LCD Monitor

LCD Monitor

WWK 222 (H) / WWK 302 (H)

The WWK 222 (H) and the WWK 302 (H) are compact domestic hot water heat pumps designed specifically for outdoor installation in Australia to supply domestic hot water to several draw-off points. Our heat pumps utilise the energy in the air to create environmentally friendly hot water all year round

- Engineered by Germany's market leader
- Designed for Australian conditions
- Active defrost function ensures energy-efficient operation down to -5 °C
- Connects to solar PV – automatically increases tank temperature during peak solar production *
- Compatible with Energy Management System for optimal use of grid and solar energy
- High operational reliability and long service life due to impressed current anode
- Quiet operation due to encased compressor
- Can be installed indoors (13 m^3 required)
- H-models come with 1.7 kW smart element

Hot water | Outdoor installation | Indoor installation | Air source

WaterMark

For product overview, see p. 32

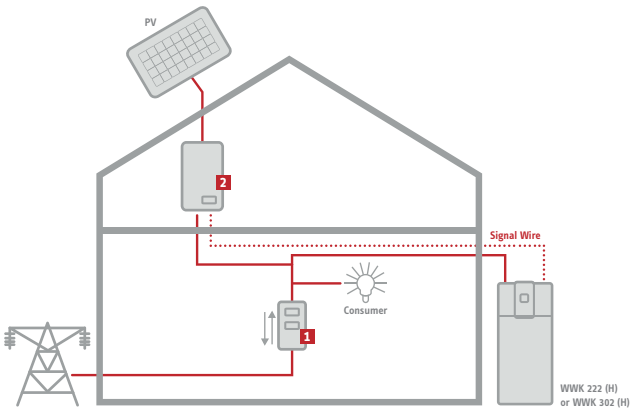
* Compatible solar inverter required

A perfect match: Solar PV and the WWK heat pump

There are two possibilities for connecting the STIEBEL ELTRON WWK hot water heat pump to a solar PV system: Smart Grid (SG) Ready and Energy Management System (EMS) integration.

An Energy Management System (EMS) is a technology platform comprised of hardware components controlled by software with the goal of monitoring and optimising energy usage in a household.

SG Ready Implementation

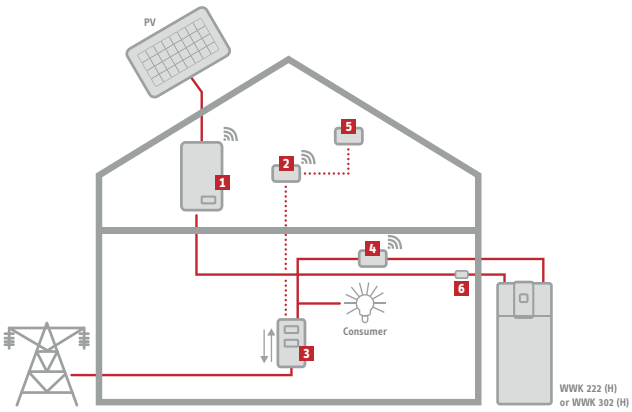


SG Ready implementation of connecting the STIEBEL ELTRON WWK hot water heat pump allows for a higher water temperature and more “free“ hot water. A signal wire is connected from the solar PV inverter * to the WWK activating a higher secondary water temperature set point.

SG Ready Implementation Components

1 Two-way meter
2 Inverter

Full EMS Implementation



A full Energy Management System implementation provides the best holistic solution for connecting the STIEBEL ELTRON WWK hot water heat pump to a solar PV system. The EMS will activate the WWK to heat water at the best possible time to reduce consumption from the grid.

EMS Implementation Components

1 Inverter
2 EMS
3 Two-way meter
4 Wireless socket
5 Internet router
6 Separate power supply for anode

* Suitable solar PV inverter or contact switch necessary


STIEBEL ELTRON

Air source hydronic heat pumps

Cosy warmth from the air

WPL 25 AC(S)

Outdoor Air Source Heat Pumps
Specifically engineered for outdoor installation, STIEBEL ELTRON focuses on the aesthetic design in addition to keeping the operating sound of these heat pumps to a minimum.

- Outdoor installation to harvest energy from the air and turn it into comfortable heat for your home
- Suitable for use with both in-slab and radiators
- High efficiency with inverter technology
- Very quiet operation
- Internet control and maintenance
- Smart Grid ready for connection to solar PV and energy management systems
- Defrost function for cold climates
- Made in Germany

Heating | Hot water | Cooling | Outdoor installation | Air source | Remote access

For product overview, see p. 33

WPL 17 IKCS

Indoor Air Source Heat Pumps
STIEBEL ELTRON is focused on ensuring premium comfort at home, that is why we invent and implement innovative technology such as a modulating fan control which keeps operating sound extremely quiet.

- High efficiency with inverter technology
- Silent mode, for even quieter operation
- Installed indoors with ducting
- Smart Grid ready for use with solar PV and energy management systems
- High flow temperatures up to 75 °C
- Made in Germany

Heating | Hot water | Cooling | Indoor installation | Air source | Remote access

For product overview, see p. 33

Geothermal hydronic heat pumps

Premium home comfort - from the ground up

WPF 04 – 16

Save money while saving energy – the affordable WPF (S) basic series provides an ideal alternative to highly integrated geothermal heat pumps. Featuring top STIEBEL ELTRON quality, the WPF (S) basic is designed for easy installation. Thanks to its compact and timeless design, it fits nicely into your home without wasting valuable space.

Geothermal Heat Pumps

- Compact design for easy placement in your home
- Inbuilt circulation pump and heat pump manager for compact installation
- Timeless design
- Extremely quiet operation thanks to advanced sound technology
- Highest European energy efficiency rating A++ for low energy bills
- Made in Germany

WPE-I 33 – 87

The WPE-I heat pump provides not only heating and cooling but also hot water convenience. The cascade control can supply both apartment buildings and commercial properties. With its inverter technology, the appliance is exceptionally versatile, and can even be conveniently operated via an app (optional accessory required).

Inverter Geothermal Heat Pumps

- Geothermal hydronic heat pump for domestic or commercial applications
- Inverter technology
- Inbuilt touch screen control
- Simultaneous heating and cooling
- Cascadable with 16 devices from 10 kW to 1.6 MW
- Quiet operation
- Control via app with optional accessory

Hot water | Geothermal | Indoor installation | Heating | Cooling | Remote access

For product overviews, see p. 34

Even when it is freezing outside, temperature levels remain steady deep below the ground. Our advanced geothermal heat pumps utilise this phenomenon and are among the few that achieve a COP of up to 5. With consistent temperatures under ground, geothermal heat pumps generate from one part electricity up to five parts heat.

Hydronic heat pumps from STIEBEL ELTRON offer greater control and maintenance convenience thanks to modern networking. Controlling your heating technology has never been easier – whether at home or on the road.

"Tablets and smartphones are not only our access to the world, but also to our homes. We control our heating technology quite comfortably from any location."

With the Internet Service Gateway (ISG), our heat pump technology achieves first-class smart home comfort. Data and settings can be easily viewed and adjusted remotely via any mobile or desktop web browser.

Internet Service Gateway

- Smart, economical and forward-thinking: control and manage your heat pump from you sofa at home or anywhere in the world
- Easy operation of your heating system from either desktop or mobile using a standard web browser
- Energy management possible with compatible hardware

Remote access

Energy management

For product overview, see p. 35

Centralised and decentralised heat recovery ventilation

The path to energy savings & healthy indoor air

LWZ 180 / 280

Efficient centralised ventilation systems, delivering up to 94% heat recovery, providing a pleasant ambiance in any home. The cross current heat exchanger recovers heat from indoors as it exchanges fresh filtered air from outdoors. The bypass function included in various models uses colder temperatures overnight to help with cooling.

Centralised Heat Recovery Ventilation

- Filters fresh outdoor air and removes pollutants from the living areas
- Energy efficient with up to 94% heat recovery
- Reduces heating and cooling energy costs
- Bypass function for cooling effect
- Easy to change filters
- Remote control available

VLR 70 S

Decentralised ventilation systems are installed in pairs and provide effective ventilation especially for renovation projects. They ensure filtered hygienic air exchange and eliminate excess moisture with various program settings.

Decentralised Heat Recovery Ventilation

- Simple installation, ideal for retrofit applications
- Quiet operation with up to 92% heat recovery
- Prevents the growth of mould with improved ventilation
- Connect up to 8 units together

Ventilation

Indoor installation

For product overview, see p. 37

As building constructions become more airtight, ventilation is necessary to provide adequate air exchange to reduce humidity, remove pollutants and create a healthy indoor environment.

SENSITIVE CHOICE
APPROVED

Sensitive Choice is a not-for-profit created by the National Asthma Council Australia in 2006 to inform the public about asthma and allergy management and empower consumers to identify asthma and allergy-aware products and services.

Sensitive Choice products have been certified and approved by an independent product advisory panel.

Healthy Indoor air
Achieve a healthy home with ventilation from STIEBEL ELTRON. Air filters installed inside the heat recovery ventilation unit will remove any pollen from the supplied outside air, creating an ideal environment for asthma and allergy sufferers. The cross-flow heat exchanger will capture heat energy from the extracted exhaust air and use it to heat the fresh incoming air.

VCR 180 MC
- Replaces indoor air with filtered fresh air from outside, ideal for asthma and allergy sufferers
- Sensitive Choice Approved Product when used in conjunction with the F7 filter
- Compact and discrete roof installation
- Energy efficient with up to 87% heat recovery
- Designed for air flow rates of 50 – 180 m^3/h
- Quiet operation

Ventilation

Indoor installation

*The VCR 180 MC is a Sensitive Choice Approved Product when used in conjunction with the F7 filter.

For product overview, see p. 37

Hot water heat pumps




	PREMIUM			
Model	**WWK 222**	**WWK 222 H**	**WWK 302**	**WWK 302 H**
Power consumption heat pump (EN16147 | A15)	0.55 kW	0.55 kW	0.55 kW	0.55 kW
Power consumption smart element	N/A	1.7 kW	N/A	1.7 kW
Connection	1/N/PE 220 – 240 V	1/N/PE 220 – 240 V	1/N/PE 220 – 240 V	1/N/PE 220 – 240 V
Max. operating current	3.18 A	9.70 A	3.18 A	9.70 A
Rated capacity	220 L	220 L	302 L	302 L
Maximum available nominal amount of hot water at 40 °C	360 L	360 L	540 L	540 L
Set hot water temperature	61 °C	61 °C	61 °C	61 °C
Max. hot water temperature	65 °C	65 °C	65 °C	65 °C
Operating temperature range	-5 – 42 °C	-5 – 42 °C	-5 – 42 °C	-5 – 42 °C
COP (seasonal average †)	3.94	3.94	3.94	3.94
Refrigerant	R134a	R134a	R134a	R134a
Smart element		■		■
Solar PV compatible	■	■	■	■
Height	1553 – 1569 mm	1553 – 1569 mm	1921 – 1937 mm	1921 – 1937 mm
Diameter	690 mm	690 mm	690 mm	690 mm
Weight (empty | filled)	120 | 340 kg	120 | 340 kg	135 | 437 kg	135 | 437 kg

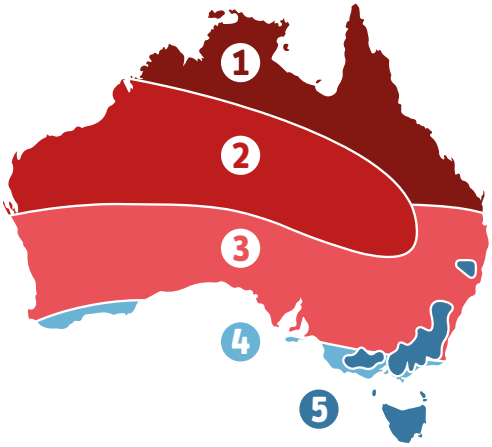
† Seasonal average COP for a WWK installed in zone 2

Government rebates for renewable energy systems

Rebates and financial incentives are offered Australia-wide at a federal and state level for using hot water heaters which are powered by renewable energy. Additional rebates may be available from state governments or local councils, depending on the type of water heater that is being replaced as well as the new system being installed.

Calculate your hot water rebates

stiebel-eltron.com.au/rebates



STCs per zone across Australia

Model	Zone 1	Zone 2	Zone 3	Zone 4	Zone 5
WWK 222	25	26	29	31	31
WWK 222 H	25	26	29	31	31
WWK 302	24	25	28	31	30
WWK 302 H	24	25	28	30	30

Air source hydronic heat pumps

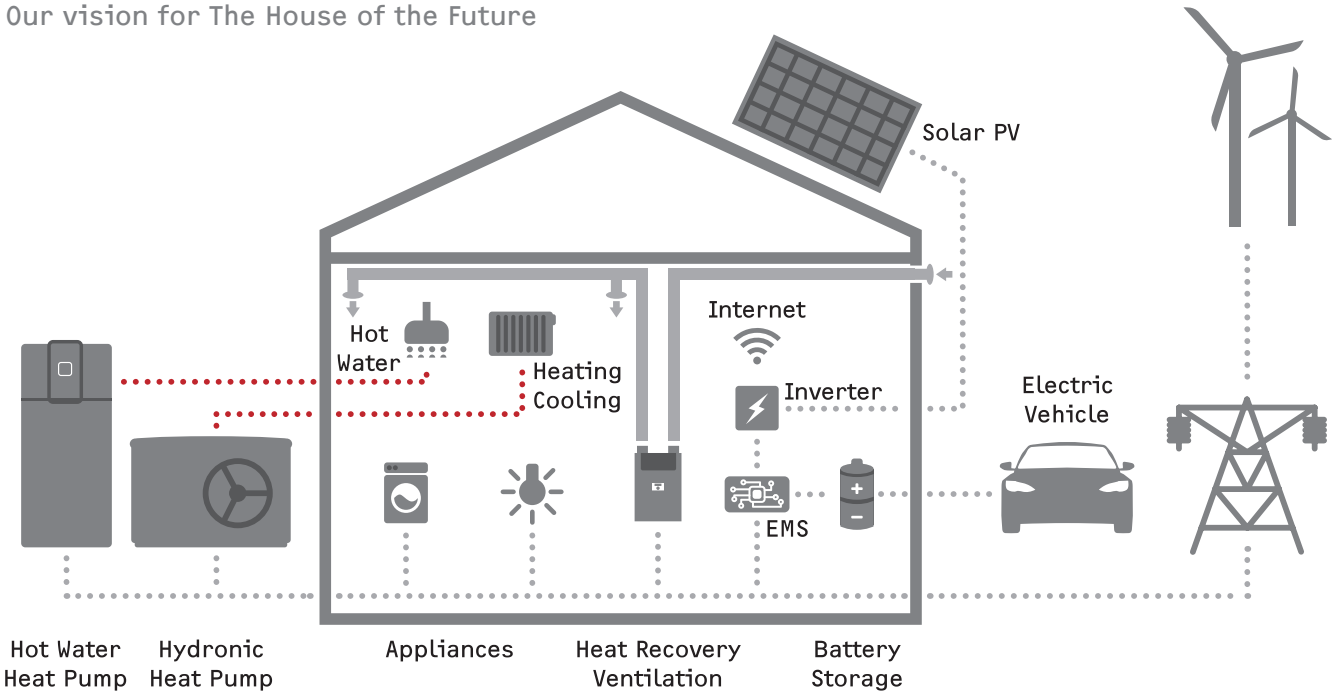




	PREMIUM				
Model	**WPL 17 ACS**	**WPL 17 ICS Classic / WPL 17 IKCS Classic**	**WPL 24 I**	**WPL 25 AC / WPL 25 ACS**	**WPL-A 07 HK**
Phases | Rated voltage	Single | 230 V	Single | 230 V	Three | 400 V	Three | 400 V / Single | 230 V	Single | 230 V
Output at A7/W35 (EN 14511)	8.5 kW	9.0 / 9.0 kW	15.7 kW	14.0 / 14.0 kW	10.75 kW
Coefficient of performance at A7/W35 (EN 14511)	4.86	4.74 / 4.60	4.72	5.09 / 4.82	5.42
Installation	Outdoor	Indoor	Indoor	Outdoor	Outdoor
Sound power level (EN 12102)	57 dB(A)	51 / 50 dB(A)	54 dB(A)	54 / 54 dB(A)	48 dB(A)
Sound pressure level at 5 m distance in a free field	35 dB(A)	N/A	N/A	32 / 32 dB(A)	26 dB(A)
Max. flow temperature	60 °C	60 / 60 °C	60	65 / 65 °C	75°C
Inverter technology	■	■	■	■	■
Domestic hot water *	■	■	■	■	■
Cooling *	■	■		■	■
Pool heating *	■	■	■	■	■
Inbuilt heat pump manager		■			
Refrigerant	R410A	R410A	R410A	R410A	R454C
Height | Width | Depth	812 | 1152 | 524 mm	1381 | 874 | 874 1892 | 893 | 833 mm	1116 | 784 | 1182 mm	1045 | 1490 | 593 / 1045 | 1490 | 593 mm	900 | 1270 | 593 mm
Weight	91 kg	175 / 221 kg	279 / 373 kg	175 / 175 kg	135 kg

* May require additional equipment

Our vision for The House of the Future






	PREMIUM			
Model	**WPF 04 – 16**	**WPF 10-16 M**	**WPF 05 – 13 S**	**WPF 20 – 32 Set**
Phases | Rated voltage	Three | 400 V	Three | 400 V	Single | 230 V	Three | 400 V
Output at B0/W35 (EN 14511)	4.77 – 17.02 kW	10.02 – 16.99 kW	5.88 – 13.01 kW	20.04 – 33.98 kW
Coefficient of performance at B0/W35 (EN 14511)	4.50 – 5.02	4.49 – 4.35	4.75 – 4.78	4.44 – 4.57
Sound power level (EN 12102)	43 – 53 dB(A)	51 dB(A)	46 – 50 dB(A)	50 – 54 dB(A)
Sound pressure level at 5 m distance in a free field	20 – 31 dB(A)	40-45 dB(A)	24 – 28 dB(A)	32 – 45 dB(A)
Max. flow temperature	65 °C	65 °C	60 °C	60 °C
Domestic hot water *	■	■	■	■
Cooling 1)	■	■	■	■
Pool heating *	■	■	■	■
Inbuilt heat pump manager	■		■	
Refrigerant	R410A	R410A	R410A	R410A
Height | Width | Depth	1319 | 598 | 658 mm	960 | 1240 | 680 mm	1319 | 598 | 658 mm	960 | 1240 | 680 mm
Weight	150 – 181 kg	112 – 125 kg	152 – 171 kg	224 – 250 kg




	PREMIUM			
Model	**WPE-I 33 H 400 Premium**	**WPE-I 44 H 400 Premium**	**WPE-I 59 H 400 Premium**	**WPE-I 87 H 400 Premium**
Phases | Rated voltage	Three | 400 V	Three | 400 V	Three | 400 V	Three | 400 V
Output at B0/W35 (EN 14511)	10 – 33 kW	11 – 44 kW	14 – 59 kW	21 - 87 kW
Coefficient of performance at B0/W35 (EN 14511)	4.73	4.60	4.50	4,71
Sound power level (EN 12102)	41 – 56 dB(A)	41 – 56 dB(A)	46 – 61 dB(A)	46-63 dB(A)
Max. flow temperature	65 °C	65 °C	65 °C	65 °C
Touch screen and app control	■	■	■	■
Domestic hot water *	■	■	■	■
Cooling *	■	■	■	■
Pool heating *	■	■	■	■
Refrigerant	R410A	R410A	R410A	R410A
Height | Width | Depth	1723 | 692 | 803 mm	1723 | 692 | 803 mm	1742 | 900 | 848 mm	1742 | 900 | 848 mm
Weight	300 kg	300 kg	430 kg	550 kg

* May require additional equipment 1) Other models may perform cooling with additional equipment

Commercial & high capacity heat pumps




	PREMIUM			
Model	**WPL 23 E**	**WPL 47 / WPL 57**	**WPF 20 – 66**	**WPF 27 HT**
Source	Air sourced	Air sourced	Geothermal	Geothermal
Phases | Rated voltage	Three | 400 V	Three | 400 V	Three | 400 V	Three | 400 V
Output (EN 14511)	16.56 kW (A7/W35)	26.83 / 31.01 kW (A7/W35)	21.50 –67.10 kW (B0/W35)	27.41 kW (B0/W35)
Coefficient of performance (EN 14511)	3.99 (A7/W35)	3.94 / 3.59 (A7/W35)	4.34 – 4.85 (B0/W35)	4.34 (B0/W35)
Sound power level (EN 12102)	65 dB(A)	67 / 69 dB(A)	54 – 61 dB(A)	55 dB(A)
Sound pressure level at 5 m distance in a free field	39 dB(A)	45 / 47 dB(A)	33 – 39.5 dB(A)	33 dB(A)
Max. flow temperature	60 °C	60 / 60 °C	60 °C	75 °C
Stackable			■	■
Manifold	■	■	■	■
Domestic hot water *	■	■	■	■
Cooling *			■	■
Pool heating *	■	■	■	■
Refrigerant	R407C	R407C	R410A	R134A
Height | Width | Depth	1116 | 784 | 1182 mm	1485 | 1860 | 2040 / 1485 | 1860 | 2040 mm	1154 | 1242 | 860 mm	1154 | 1242 | 860 mm
Weight	211 kg	540 / 600 kg	345 – 655 kg	409 kg

Internet Service Gateway - ISG

	PREMIUM
Model	**ISG web**
Connection to heat pump	■
Remote access & control	■
Height | Width | Depth	95 | 158 | 37 mm
Connections	CAN, RS232, 10/100 Ethernet

Buffer tanks



	Plus		
Model	**SBP 200-700 E SBP 700 E SOL**	**SBP 1000/1500 E SBP 1000/1500 E cool SBP 1000/1500 E SOL**	**SBP 100 classic**
Small | Large capacity system	■ | ■[1]	– | ■	■ | –
Apartment		■	
Commercial | larger capacity		■ | ■	
Heating | Cooling	■ | ■	■ | ■[2]	■ | ■
Nominal capacity	207, 415, 703, 720 L	979, 1006, 1473, 1503 L	100 L
Connection to heat pump	■	■	■
Connection to solar thermal	■[3]	■[4]	

1) only SBP 700 E/SBP 700 E SOL
2) only SBP 1000 E cool/SBP 1500 E cool
3) only SBP 700 E SOL
4) only SBP 1000 E SOL/SBP 1500 E SOL

Domestic hot Water cylinders & COMBI tanks




	Plus	Premium		
Model	**SBB 301-302 WP SBB 401-501 WP SOL**	**SBS 601-1501 W**	**HSBC 200 S**	**HSBC 300 cool**
Small | Large hot water demand*	■ | ■[1]	– | ■	■ | –	■ | –
Buffer		■	■	■
Heating | Cooling	N/A	■ | –	■ | ■	■ | ■
Domestic hot water	■	■	■	■
Nominal capacity	301, 290, 395, 495 L (Hot water)	599, 613, 740, 759, 916, 941, 1430, 1500 L (Buffer)	168 + 100 L (Hot water + Buffer)	270 + 100 L (Hot water + Buffer)
Connection to heat pump	■			
Connection to solar thermal	■[2]			

* Water usage based on 60 L / person / day
1) only SBB 401-501 WP SOL 2) only SOL models

Heat recovery ventilation





	Premium	Plus			Trend
Model	**LWZ 180 / LWZ 280**	**LWZ 170 E Plus / LWZ 370 Plus**	**VCR 180 MC**	**LWZ 70 E**	**VLR 70 S**
Installation	Centralised: Wall mounted	Centralised: Wall mounted	Centralised: Ceiling mounted	Centralised: Wall mounted	Decentralised
Heat recovery	Up to 94%	Up to 90%	Up to 87%	Up to 90%	Up to 92%
Air volume flow	60 – 250 / 60 – 350 m^3/h	50 – 300 / 50 – 400 m^3/h	50 – 180 m^3/h	50 – 180 m^3/h	10 – 70 m^3/h
Fan max. power consumption	74 / 134 W	138 / 172 W	105 W	136 W	92 W (8 units)
Connection	1/N/PE 230 V	1/N/PE 230 V	1/N/PE 230 V	1/N/PE 230 V	1/N 230 V
Air duct connection	160 mm	160 / 180 mm	125 mm	125 mm	N/A
Filter	ePM10 ≥ 50% (M5) ISO Coarse > 60% (G4)	ISO Coarse > 60% (G4)	ePM10 ≥ 50% (M5) ISO Coarse > 60% (G4)	ISO Coarse > 45% (G3)	ePM1 ≥ 50% (F7) ISO Coarse > 30% (G2)
Installed in pairs					■
Bypass cooling function	■	■	■		
Preheat element	■	■		■	
Inbuilt display | Controller	■ | ■	■ | ■	– | ■	■ | ■	– | ■
Enthalpy core option available	■				
Height | Width | Depth	997 | 690 | 534 mm	765 | 677 | 567 mm	248 | 520 | 1113 mm	600 | 560 | 290 mm	285 | 360 | 590 mm
Weight	78 kg	38 kg	18 kg	25 kg	5.2 kg

* May require additional equipment

Upgrade your ventilation system

Filter upgrades available at
www.stiebelstore.com.au/compatibility-selector

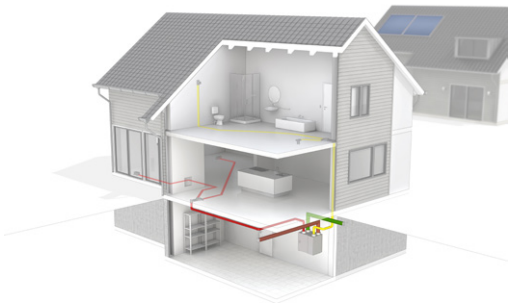
Passive House certified components

CERTIFIED COMPONENT
Passive House Institute

A mechanical heat recovery ventilation unit acts as the lungs of any dwelling built with Passive House principles. The Passive House design process is the path to ensuring very high performance and comfort for the lifetime of your building.

Passive House certified components are independently tested and certified to ensure that you are receiving the highest standards of quality, performance and energy efficiency. Our Passive House certified components include the LWZ180/280 & LWZ 170 E Plus.

Ventilation planning and design service



STIEBEL ELTRON offers a design service to assist with specifying the right ventilation system and ducting configuration to suit your project.

Our team of ventilation system designers in Germany provides a recommendation for the ventilation system required, 3D drawings of the unit and ducting setup as well as a full components list.

Limitless comfort for your home.

Comfort should be a priority for everyone. From keeping your home toasty warm to ensuring the water you are drinking is clean, healthy and tastes great. STIEBEL ELTRON has a number of options to choose from, including fan assisted heaters, convection electric panel heaters, hand dryers and multi-stage water filters.

Space heating

Electric Panel Heaters
- Wall mounted installation
- Smart LCD control with energy saving features and 7-day timer
- Quiet, even heat distribution

Hand dryers

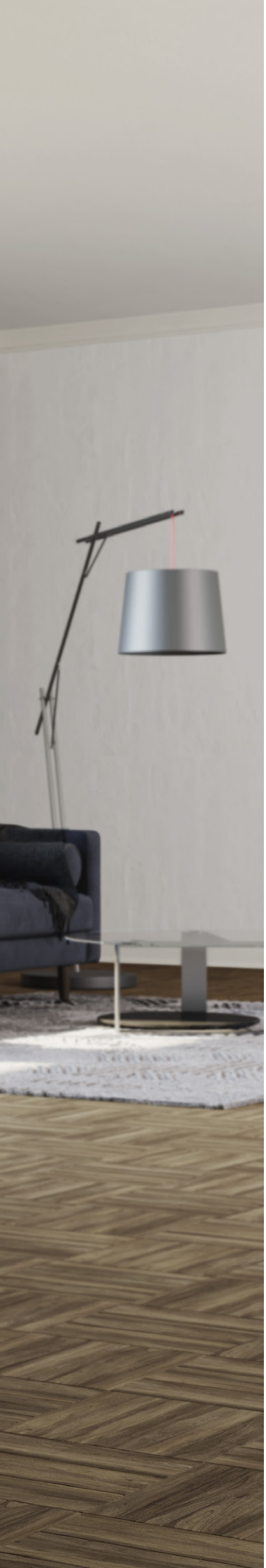
Quiet, Comfort Hand Drying
- Quiet operation
- Made in Germany
- Plastic or diecast aluminium casing models
- Touch free operation
- Maintenance free

Water filtration

Multi Stage Water Filtration
- Ultra filtration down to 0.01 micron
- Save money compared to buying bottled water
- Under sink installation
- Simple “Push & Click“cartridge replacement

Flow – Water Pitcher
- Ultra filtration down to 0.01 micron
- 5-stage in 1 encapsulated filter eliminates harmful substances
- Smart lifetime indicator
- Compact fridge-fitting design

The CON Premium is a convector heater which spreads the warmth evenly across the room without using a fan, and thus operating silently. This makes it a perfect room heater for those suffering from Asthma and allergies.



Convection panel heaters with smart energy saving features

Heating with style

CON Premium
Smart Control Unit

Con Premium

The CON Premium convection wall heaters offer a unique combination of functionality and aesthetics. The CON Premium enhances its environment not only by providing pleasant heat but also through its elegant design. Featuring a smart control unit, the CON Premium range of room heaters have smart features including a 7-day timer, open window detection and frost/overheat protection.

Convection Electric Panel Heater

- Smart control unit with backlit LCD
- Made in Germany
- Quiet, even temperature distribution
- Greater energy savings due to 7-day timer and open window detection
- Self-learning function: Learns when you use the heater, and automatically turns on to pre-heat
- Frost and overheating protection features

GPO Plug

For product overview, see p. 44

Hand Drying

Affordable to buy – quiet to operate

HTE 5

The HTE range of hand dryers are particularly quiet in operation, making them suitable for areas where loud noise would be disruptive. The infrared proximity sensor enables economical, contactless operation.

As bacteria is more likely to be spread from wet skin than it is from dry skin, hand drying is an essential part of the hand washing process. STIEBEL ELTRON's range of hand dryers ensures that you can dry your hands hygienically thanks to their touch-free operation.

Quiet & Efficient Hand Dryer

- Exceptionally quiet – only 54 dB
- Made in Germany
- Curved design prevents items from being placed on hand dryer
- Hygienic and energy efficient through IR proximity electronics
- Maintenance free, reliable operation
- Low operating costs
- Easy installation

For product overview, see p. 44

Water filtration

Multi stage water filtration – down to 0.01 micron

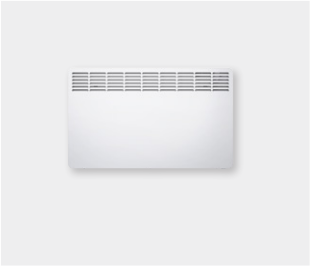
Water filtration systems

Stream water filtration system & water filter tap
The STIEBEL ELTRON water filter systems provide great tasting water. Designed to remove particles as small as an amazing 0.01 micron, the STREAM provides clear, crisp and clean water.

- Simple push and click cartridge and colour code for easy replacement
- Compact 10 inch cartridges take up less space under the sink
- Automatic shut-off to prevent water leakage
- Long life filter cartridges last for up to 2,160 litres

For product overview, see p. 45

Convection electric panel heaters


	Premium	Trend	
Model	**CON 10 / 20 / 30 Premium**	**CNS 100 / 150 / 200 Trend**	**CNS 100 / 150 / 200 Trend M**
Output	1.0 / 2.0 / 3.0 kW	1.0 / 1.5 / 2.0 kW	1.0 / 1.5 / 2.0 kW
Current	4.3 / 8.7 / 13.0 * A	4.2 / 6.3 / 8.3 A	4.0 / 6.0 / 8.0 A
Connection	1/N/PE ~ 240 V	1/N/PE ~ 240 V	1/N/PE ~ 240 V
Temperature adjustment	Variable, 5 – 30 °C	Variable, 5 – 30 °C	Variable, 5 – 30 °C
Display and operation	Smart control unit, backlit LCD	Smart control unit, backlit LCD	Rotary dial
7-day timer | Learning function	■ | ■	■ | ■	
Installation	Wall mounted	Wall mounted	Wall mounted
IP rating	IP24	IP24	IP24
Colour	White	White	White
Height | Width | Depth	470 | 470 | 126 470 | 780 | 126 470 | 1090 | 126 mm	450 | 426 | 100 / 450 | 582 | 100 / 450 | 738 | 100 mm	450 | 426 | 100 / 450 | 582 | 100 / 450 | 738 | 100 mm
Weight	5.9 / 9.3 / 12.6 kg	4.6 / 6.0 /7.7 kg	4.2 / 6.0 / 7.7 kg

* CON 30 Premium requires 15 A plug

Hand dryers


	Premium	Plus
Model	**HTE 5**	**HTE 4**
Output	1800 W	1800 W
Current	7.8 A	7.8 A
Connection	1/N ~ 220-240 V	1/N ~ 220-240 V
Operation	Touch free automatic	Touch free automatic
Air velocity	12 m/s	12 m/s
Air flow rate	146 m^3/h	146 m^3/h
Operating noise	54 dB(A)	54 dB(A)
IP rating	IP23	IP23
Colour	White	White
Height | Width | Depth	266 | 257 | 230 mm	250 | 238 | 230 mm
Weight	4.0 kg	2.5 kg

Water filters

	Plus		
Model	**STREAM 4**	**STREAM 3**	**Flow Water Pitcher**
Installation	Under sink	Under sink	n/a
Max. operating pressure	350 kPa	350 kPa	n/a
Cartridges	Red cartridge: - Rust, sediment, mud - Particles > 1 micron Yellow cartridge: - Bad taste, odours, chlorine - Particles > 0.5 micron Purple cartridge: - Bacteria/cysts/algae - Particles > 0.01 micron Blue cartridge: - Additional odours, heavy metals	Red cartridge: - Rust, sediment, mud - Particles > 1 micron Yellow cartridge: - Bad taste, odours, chlorine - Particles > 0.5 micron Purple cartridge: - Bacteria/cysts/algae - Particles > 0.01 micron	5-stage in 1 filter cartridge - Ultrafiltration membrane, Particles > 0.01 micron - Anti-bacterial silver impregnaated carbon - Ion Exchange Resin - Micro Net - particle removal
Height | Width | Depth	315 | 290 | 90 mm	315 | 222 | 90 mm	230 | 120 | 90 mm
Capacity			1L filtration | 2.4L jug

How often should I replace the cartridges in my water filter system?

The STREAM water filter cartridges can filter up to 2160 litres depending on the supply water quality. The lifespan of any drinking water filter will be reduced with the greater number of pollutants needing to be removed and filtered (purify).

Replacement filters at
stiebelstore.com.au/water-filters

A benefit of the STIEBEL ELTRON water filter system STREAM is that as the filter cartridges approach the end of their lifespan, the water flow outputted will be reduced. If you notice that your STREAM water filter is running slow, it may simply be time to change filter cartridges. Purchase all replacement filters as a pack to receive a discount, or you can purchase each one individually.

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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STIEBEL ELTRON (Aust) Pty Ltd
1800 153 351 | info@stiebel-eltron.com.au | www.stiebel-eltron.com.au

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