



Product catalogue

## ■ Mission

We provide comfortable climate  
with care for the environment



# ■ Vision

We provide integrated and self-sustaining energy solutions that create an indoor climate, at an optimal price-to-quality ratio, with a full range of financing options.

We are a European Company with a global reach, characterized by an unmatched customer care, that creates innovative and unique products and services. Through our strong decision making and adaptability, we ensure that rapidly changing needs are met.

Kospel is an extraordinary place where we can constantly develop our creativity, knowledge, and interests in a comfortable environment among. We actively support local communities in creating an attractive living environment. We are committed to rousing positive emotions.







## ■ About Our Company

We are a Polish manufacturer of heating appliances with over 30 years of experience. We create heat comprehensively - from the first screw to the ready-to-use device.

Our production is a holistic complete process including the production of metal and plastic parts electronics, painting, enamelling and assembly.

We have control over every second of device's development, which translates into their reliability.

## ■ Product

When we work on a new product, we don't just design it for now. We don't base it on fashion, but on innovating for a generation.

We consider all possibilities that will make our products better now and in the future.





## ■ Customer-centrism

Focus on customer 's needs and experiences. For us, it means that all actions and decisions are focused on satisfying our customers. This way of working results in a higher quality services and products and, above all in the building of lasting relationship.



## ■ Employee orientation

From lasting relationships with suppliers to empowering our coworkers. We believe that in the communities with which we co-operate, people always come first.



## ■ Environmentally friendly

At Kospel, we believe it is our responsibility to reduce the impact of production on the world around us. At Kospel Production Plants, we work on emission-free products, which guarantee safety of use.



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KOSPEL Sp. z o.o. reserves the right to make technical changes aimed at improvement of products that will not be shown in this catalogue.



# Heat pumps

We proudly present the complete Kospel heating system with heat pump, based on our years of experience in the heating industry. Thanks to our system, equipped with an inverter monoblock heat pump, DHW cylinder and central heating buffer tank, you can enjoy optimal thermal comfort in your home!

Our offer includes units with a power range to 23kW (A7, W35), as well as tanks tailored to the needs of your household. Enjoy the comfort and convenience provided by the Kospel heat pump heating system!





# Heat pumps

## - worth knowing

- A wide range of power output for outdoor units from 8 to 23 kW!

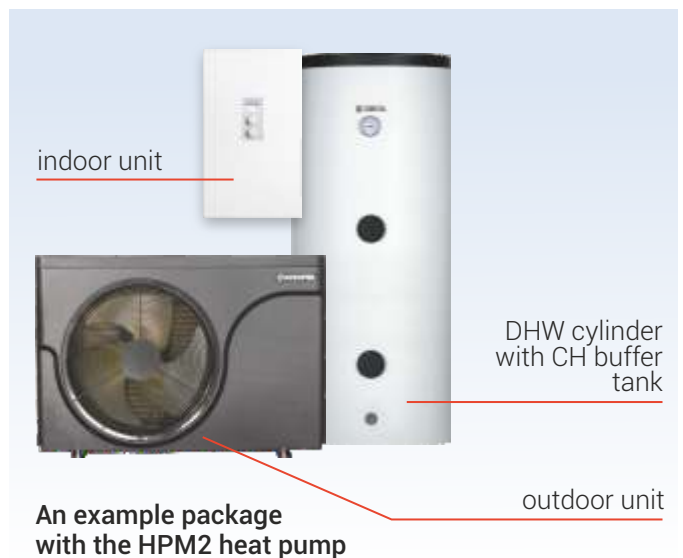


The ability to select an outdoor unit with the appropriate power will allow HPM2 heat pumps to provide heating for both small houses and larger residential buildings.

- Complete packages with heat pumps

Thanks to the use of the HPM2 heat pump heating system, there is no need to worry about selecting additional devices.

The package includes optimally matched cylinders that ensure the most efficient operation of the system.



- Weather control

Based on the external temperature, the heat pump automatically adjusts the operation of the system to maintain the desired temperature in the rooms. This provides high thermal comfort and cost-effective operation.

- Cooling function

The heat pump, when combined with underfloor heating or fan coil units, allows for the transfer of cool air into the rooms. This feature provides comfort even on hot, summer days.

- Control of 2 heating circuits + DHW circuit

The HPM2 heat pump has the ability to control two independent heating circuits. This means that it will successfully heat mixed installations in the form of underfloor and radiator heating. Additionally, it heats the utility water in the DHW cylinder.

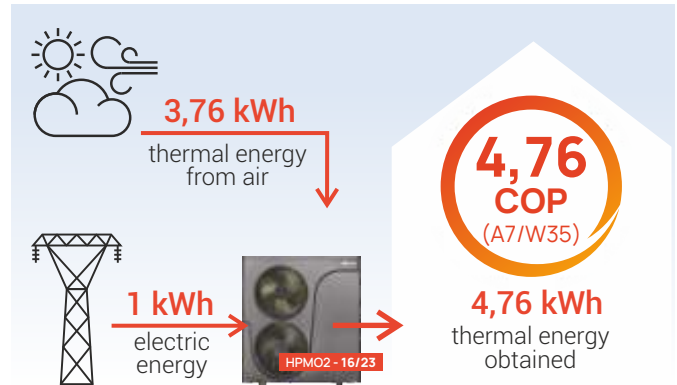


## ■ Silent operation



Appropriate design of the device and insulation of components ensures quiet operation.

## ■ High COP!



It is the conversion of 1 kWh of electricity consumed into heating energy that the heat pump transfers to our house.

Depending on the selected outdoor unit, HPM2 heat pumps have a COP value from 4.5 to even 4.76 (A7/W35). This means that one kW of consumed electricity allows you to get almost five times more thermal energy in your home from the supplied unit.

## ■ Manage your heat pump remotely

By using the C.MI2 internet module, you gain full control over the operation of the device, you can change settings and correct parameters using your smartphone.

You can also perform service diagnostics of the device remotely.



Thanks to warranty care „KOSPEL SAFE“ you get a 5-year warranty on HPM/HPM2 heat pumps\*

\* Detailed warranty conditions are described in the warranty card.

# Air-Water monoblock heat pump

## HPM2.C

**HPM2.C** - Heat pump system consisting of an **HPM02** outdoor unit and a 3 in 1 **HPMD** indoor unit for installation in new and modernized homes.



**A+++**

**A++**



\* detailed warranty conditions are described in the warranty card

### HPM02 outdoor unit - monoblock inverter heat pump

The most important advantages and functions:

- Energy class: A+++ (35 °C)/A++ (55 °C)
- The EVI injection system ensures high operating efficiency and water temperature up to 60°C
- Wide operating range at outside air temperature from -25°C do +43°C
- Quiet operation of the device - sound pressure level at a distance of 1 m: 52 to 56 dB (A) depending on the selected device power
- Surface cooling of rooms or cooperation with a fan coil
- Protection of the condensate against freezing
- Smooth power modulation ensures optimal operation depending on the heating needs:
  - HPM02-8: from 2,3 to 8,2kW (A7/W35)
  - HPM02-12: from 3,8 to 12,5kW (A7/W35)
  - HPM02-16/23: from 7 to 23kW (A7/W35)



HPM02-8



HPM02-12



HPM02-16/23

### The HPMD 3in1 indoor unit combines the functions of a hydraulic module with the system controller, DHW cylinder and the central heating buffer tank. Compact design enables easy installation of the device.



#### Hydraulic module

- Heat pump control panel.
- Electric heating unit
- Circulation pump.
- Three-way dividing valve
- Safety valve, electronic pressure gauge, automatic air vent
- Dirt separator
- Remote control (C.MI2 module)
- Cooperation with another heat source, e.g. a gas boiler
- The ability to connect an external UPS - protection against freezing in the absence of power
- The possibility of cascading with the use of an external controller

#### DHW cylinder - 250 liters

- The amount of hot water optimal for 3-5 people
- Electronic anode (titanium)

#### CH buffer tank - 60 liters

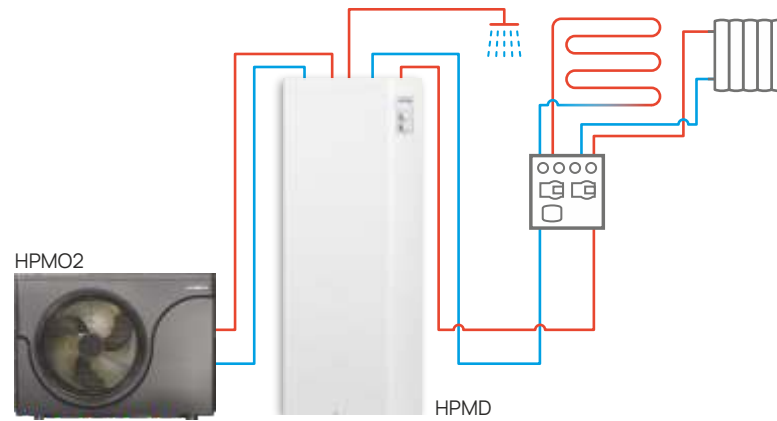
- Supports defrosting of the heat pump as well as heating and cooling of rooms
- The partition prevents the mixing of hot water supplying the central heating system with cold water returning to the buffer



## Technical data

Product code	Elements of the set	Max. heating power (kW)	Max. COP	Seasonal energy efficiency class	Max level of pressure / sound power dB (A)	Electric heating unit	Voltage	Rated current of the overcurrent circuit breaker	Minimum cross-section of the power cord
HPM2.C-8	HPM02-8 i HPMD-8	8,2 (A+7/W35) 7,1 (A+2/W35) 5,8 (A-7/W35)	4,6 (A+7/W35) 4,01 (A+2/W35) 3,49 (A-7/W35)	A+++ (W35) A++ (W55)	52 from 1m / 60	6kW	400V 3N~ / 230 V~	3x16A / 40A	5x2,5mm <sup>2</sup> / 3x6mm <sup>2</sup>
HPM2.C-12	HPM02-12 i HPMD-12	12,5 (A+7/W35) 11,3 (A+2/W35) 9,2 (A-7/W35)	4,75 (A+7/W35) 3,94 (A+2/W35) 3,37 (A-7/W35)		55 from 1m / 63	6kW	400V 3N~ / 230 V~	3x25A / 50A	5x2,5mm <sup>2</sup> / 3x6mm <sup>2</sup>
HPM2.C-16/23	HPM02-16/23 i HPMD-16	23,0 (A+7/W35) 20,5 (A+2/W35) 17,1 (A-7/W35)	4,76 (A+7/W35) 4,02 (A+2/W35) 3,47 (A-7/W35)		56 from 1m / 64	9kW	400 V 3N~	3x32A	5x2,5mm <sup>2</sup>

## Exemplary installation



## HPM2.C sets

	Product code	Description	Elements of the set
	HPM2.C-8	The heat pump system includes: <ul style="list-style-type: none"> <li>• HPM02-8 outdoor unit</li> <li>• HPMD-8 „3in1“ indoor unit</li> <li>• outdoor and indoor temperature sensors and 2 heating circuit sensors</li> </ul>	HPM02-8 HPMD-8 sensor WE-019/05 - 2 pcs. sensor WE-027 sensor WE-033/02
	HPM2.C-12	The heat pump system includes: <ul style="list-style-type: none"> <li>• HPM02-12 outdoor unit</li> <li>• HPMD-12 „3in1“ indoor unit</li> <li>• outdoor and indoor temperature sensors and 2 heating circuit sensors</li> </ul>	HPM02-12 HPMD-12 sensor WE-019/05 - 2 pcs. sensor WE-027 sensor WE-033/02
	HPM2.C-16	The heat pump system includes: <ul style="list-style-type: none"> <li>• HPM02-16/23 outdoor unit</li> <li>• HPMD-16/23 „3in1“ indoor unit</li> <li>• outdoor and indoor temperature sensors and 2 heating circuit sensors</li> </ul>	HPM02-16/23 HPMD-16 sensor WE-019/05 - 2 pcs. sensor WE-027 sensor WE-033/02

## Additional equipment

Product code	Picture	Description
C.MI2		The C.MI2 internet module enables remote control of the heat pump's operation via the Internet using a computer, tablet or smartphone. The control is via a web browser, ensuring easy and intuitive operation and the use of all the advanced functions of the device driver
HPFF		Vibro-isolating stand (base) for the heat pump 600x190x200 (2 pcs. in the set)
WE-019/05		Temperature sensor for heating circuits
HPHS.24		24V humidity sensor to protect against the accumulation of moisture



# Air-Water monoblock heat pump

## HPM2



**HPM2.Z** - Integrated set consisting of **HPM02** outdoor unit and **HPMI2** indoor unit for installation in new and modernized installations.



\* detailed warranty conditions are described in the warranty card

### HPM02 outdoor unit - monoblock inverter heat pump

The most important advantages and functions:

- Energy class: A+++ (35 °C) / A++ (55 °C)
- The EVI injection system ensures high operating efficiency and water temperature up to 60°C
- Wide operating range at outside air temperature from -25°C do +43°C
- Quiet operation of the device - sound pressure level at a distance of 1 m: 52 to 56 dB (A) depending on the selected device power
- Surface cooling of rooms or cooperation with a fan coil
- Protection of the condensate against freezing
- Smooth power modulation ensures optimal operation depending on the heating needs:
  - HPM02-8: from 2,3 to 8,2kW (A7/W35)
  - HPM02-12: from 3,8 to 12,5kW (A7/W35)
  - HPM02-16/23: from 7 to 23kW (A7/W35)



HPM02-8



HPM02-12



HPM02-16/23

### HPMI2 indoor unit - weather-controlled heating unit, equipped with a hydraulic group and electric heating unit.



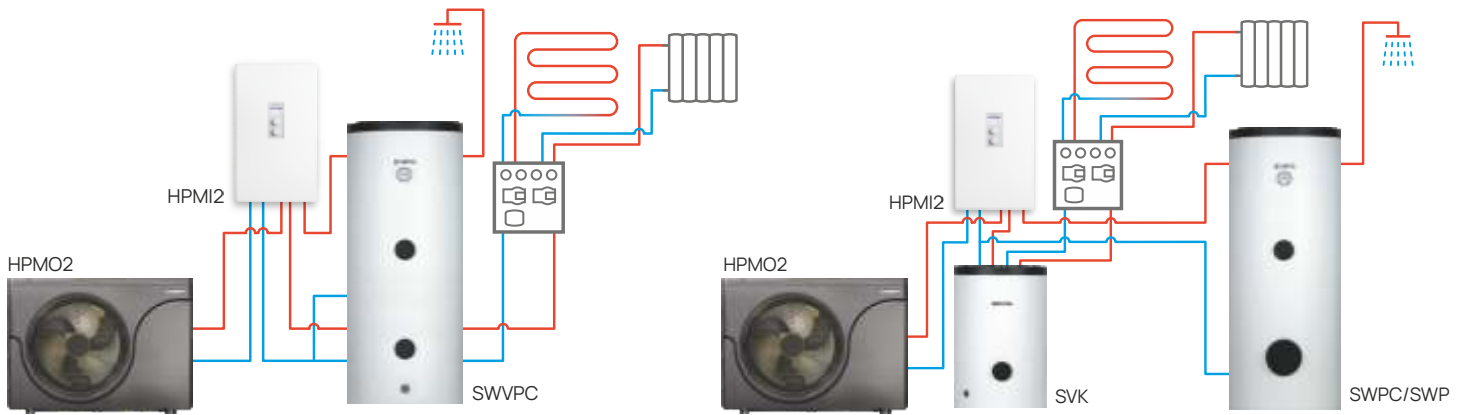
- Quick installation thanks to the matching elements placed in a compact housing
- Advanced control options:
  - weather control of heating
  - daily and weekly cycle of room temperature and domestic hot water regulation
  - control of 2 heating circuits + DHW circuit
- Electric heating unit with automatic power modulation:
  - 3/6 kW in HPM02-8 end HPM02-12
  - 3/6/9 kW in HPM02-16/23
- Hydraulic group:
  - a three-way dividing valve that allows you to heat water in cooperation with DHW cylinder
  - safety group - expansion vessel with a capacity 12 l, safety valve, electronic pressure gauge, automatic air vent.
- Remote control via the Internet using the C.MI2 module (additional accessory).



### Technical data

Product code	Elements of the set	Max. heating power (kW)	Max. COP	Seasonal energy efficiency class	Max level of pressure / sound power dB (A)	Electric heating unit	Voltage	Rated current of the overcurrent circuit breaker	Minimum cross-section of the power cord
HPM2.Z-8	HPM02-8 HPMI2-8 WE-019/01 WE-019/05 x 2	8,2 (A+7/W35) 7,1 (A+2/W35) 5,8 (A-7/W35)	4,6 (A+7/W35) 4,01 (A+2/W35) 3,49 (A-7/W35)	A+++ (W35) A++ (W55)	52 from 1m / 60	6kW	400V 3N~ / 230 V~	3x16A / 40A	5x2,5mm <sup>2</sup> / 3x6mm <sup>2</sup>
HPM2.Z-12	HPM02-12 HPMI2-12WE-019/01 WE-019/05 x 2	12,5 (A+7/W35) 11,3 (A+2/W35) 9,2 (A-7/W35)	4,75 (A+7/W35) 3,94 (A+2/W35) 3,37 (A-7/W35)		55 from 1m / 63	6kW	400V 3N~ / 230 V~	3x25A / 50A	5x2,5mm <sup>2</sup> / 3x6mm <sup>2</sup>
HPM2.Z-16/23	HPM02-16/23 HPMI2-16WE-019/01 WE-019/05 x 2	23,0 (A+7/W35) 20,5 (A+2/W35) 17,1 (A-7/W35)	4,76 (A+7/W35) 4,02 (A+2/W35) 3,47 (A-7/W35)		56 from 1m / 64	9kW	400 V 3N~	3x32A	5x2,5mm <sup>2</sup>

## HPM2 Sets



HPM2.V – exemplary installation

HPM2.P – exemplary installation

## HPM2 Sets

	Product code	Description	Elements of the set
	HPM2.V-8	The heat pump system includes: HPM2.Z-08 heat pump and a central heating / domestic hot water tank. SWVPC-250/60 (hot water for 4 people)	HPM02-8 HPMI2-8 SWVPC-250/60
	HPM2.P-8	The heat pump system includes: the HPM2.Z-8 monoblock heat pump, the SWPC-300 DHW cylinder (hot water for 6 people) and SVK-100 buffer tank	HPM02-8 HPMI2-8 SVK-100 SWPC-300
	HPM2.V-12	The heat pump system includes: HPM2.Z-12 heat pump and a central heating / domestic hot water tank. SWVPC-250/60 (hot water for 4 people)	HPM02-12 HPMI2-12 SWVPC-250/60
	HPM2.P-12	The heat pump system includes: the HPM2.Z-12 monoblock heat pump, the SWPC-300 DHW cylinder (hot water for 6 people) and SVK-100 buffer tank	HPM02-12 HPMI2-12 SVK-100 SWPC-300
	HPM2.P-16/23	A package containing a monoblock HPM2.Z-16/23 heat pump, the SWPC-300 DHW cylinder (hot water for 6 people) and SVK-100 buffer tank	HPM02-16/23 HPMI2-16 SVK-100 SWPC-300

## Additional equipment

Product code	Picture	Description
C.MI2		The C.MI2 internet module enables remote control of the heat pump's operation via the Internet using a computer, tablet or smartphone. The control is via a web browser, ensuring easy and intuitive operation and the use of all the advanced functions of the device driver
HP.FF		Vibro-isolating stand (base) for the heat pump 600x190x200 (2 pcs. in the set)
WE-019/01		Temperature sensor for storage tank / buffer
WE-019/05		Temperature sensor for heating circuits
HPHS.24		24V humidity sensor to protect against the accumulation of moisture

# Air-Water monoblock heat pump

## HPM



HPM.Z - integrated set of the HPMO outdoor unit and the HPMI2 indoor unit

5 year\* warranty

\* detailed warranty conditions are described in the warranty card

### HPMO outdoor unit - monoblock inverter heat pump with EVI injection

- The EVI refrigerant vapor injection system ensures high efficiency and water temperature of 55°C
- Condensate drain protection against freezing
- Wide range of operation at outdoor air temperature from -20°C to +43°C
- Smooth power modulation in the range from 5.2 kW to 10.5 kW (A7/W35), ensures optimal operation depending on heating needs
- High COP 4.5 (A7/W35)



COP 4,5 (A7/W35)

### HPMI2 indoor unit - heating center with weather control, equipped with a hydraulic group and an electric heating unit



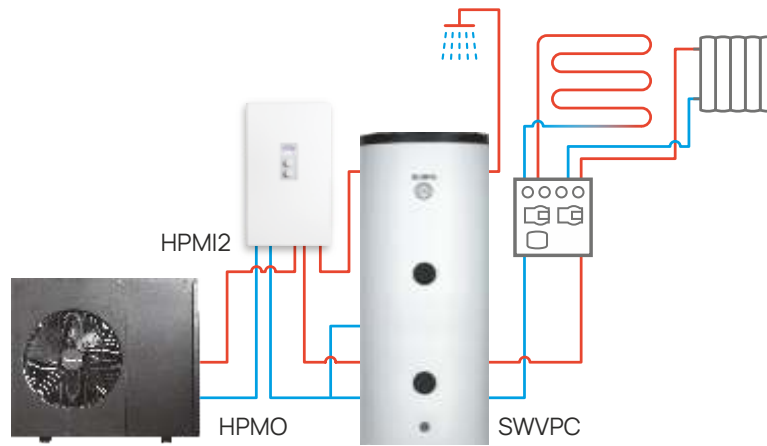
- Quick assembly, thanks to matching elements placed in a compact housing
- Advanced control possibilities:
  - heating weather control
  - daily and weekly temperature control cycle in the room and domestic hot water
  - control of 2 heating circuits + DHW circuit
- Electric heating unit with automatic power modulation 3/6 kW
- Hydraulic group:
  - three-way dividing valve
  - safety group - expansion vessel with capacity of 12 l, safety valve, electronic pressure gauge, automatic air vent
- Remote control via the Internet module C.MI2 (additional equipment).



### Technical data

Product code	Elements of the set	Max. heating power (kW)	Max. COP	Energy efficiency class	Max pressure level - con. Q2 / sound power dB (A)	Electric heating unit	Voltage	Rated current of the overcurrent circuit breaker	Minimum cross-section of the power cord
HPM.Z-10	HPMO-10 HPMI2-6 WE-019/01 WE-019/05 x2	10,5 (A+7/W35)	4,5 (A+7/W35)	A++ (W35) A+ (W55)	56 z odległości 1m / 64	6kW	230 V~	50 A	3 x 6 mm <sup>2</sup>
		9,5 (A+2/W35) 7,3 (A-7/W35)	3,6 (A+2/W35) 2,7 (A-7/W35)				400 V 3N~	20 A	5 x 2,5 mm <sup>2</sup>

## HPM.Z heat pump set



HPM.Z - exemplary installation

## HPM.Z heat pump set

	Product code	Description	Elements of the set
	HPM.Z-10	The heat pump system includes: HPM2.Z-10 heat pump and a central heating / domestic hot water tank. SWVPC-250/60	HPMO-10 HPMI2-6 SWVPC-250/60
	HPM.P-10	The heat pump system includes: the HPM2.P-10 monoblock heat pump, the SWPC-300 DHW cylinder and SVK-100 buffer tank	HPMO-10 HPMI2-6 SWPC-300 SVK-100

## Additional equipment

Product code	Picture	Description
C.MI2		The C.MI2 internet module enables remote control of the heat pump's operation via the Internet using a computer, tablet or smartphone. The control is via a web browser, ensuring easy and intuitive operation and the use of all the advanced functions of the device driver
HPFF		Vibro-isolating stand (base) for the heat pump 600x190x200 (2 pcs. in the set)
WE-019/01		Temperature sensor for storage tank / buffer
WE-019/05		Temperature sensor for heating circuits
HPHS.24		24V humidity sensor to protect against the accumulation of moisture



# Electric boilers

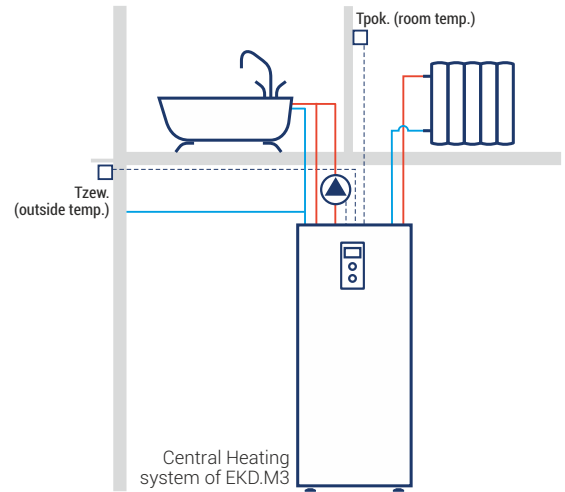
Did you know that electric heating is becoming increasingly popular? Modern technology, efficiency and maintenance-free operation make electric boilers an excellent alternative to other types of appliances.

Furthermore, if you use renewable energy sources in the form of solar panels, your home can be heated in an economical way.

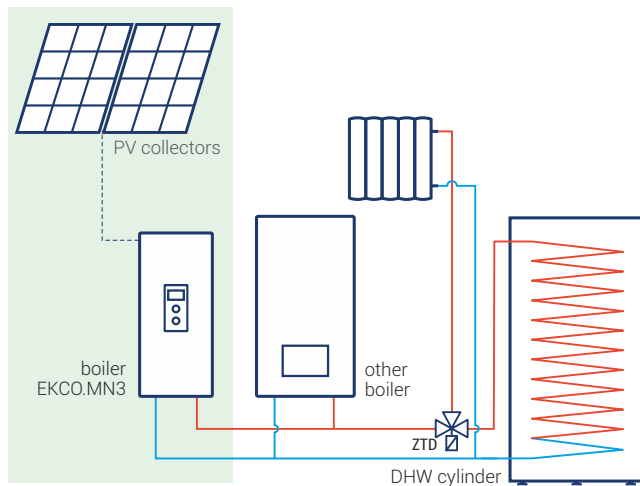


## Modern electric heating

The diagram shows EKD.M3 in Central Heating system.  
The boiler also controls the circulation pump.



## Free energy from PV installation

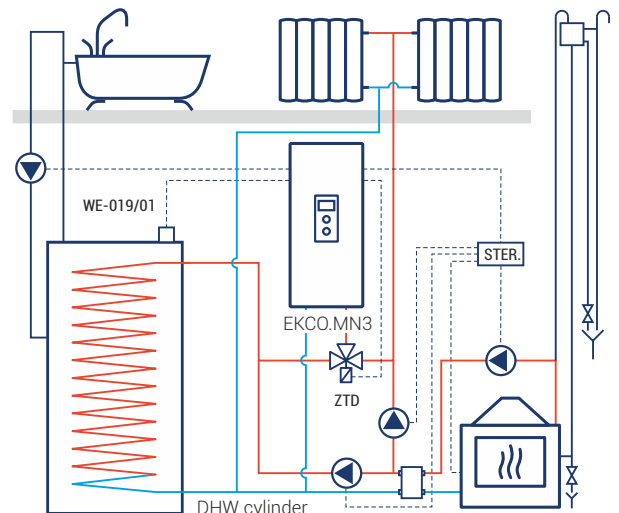


Electric boiler is a device which can be used for central heating system.  
Electric boiler in connection to PV installation ensures using free energy.

## High operation comfort

Electric boiler may co-operate parallelly with other gas boiler or oil boiler as an alternative heat source. Such installation is very useful in emergency situations or during the off-peak energy tariff.

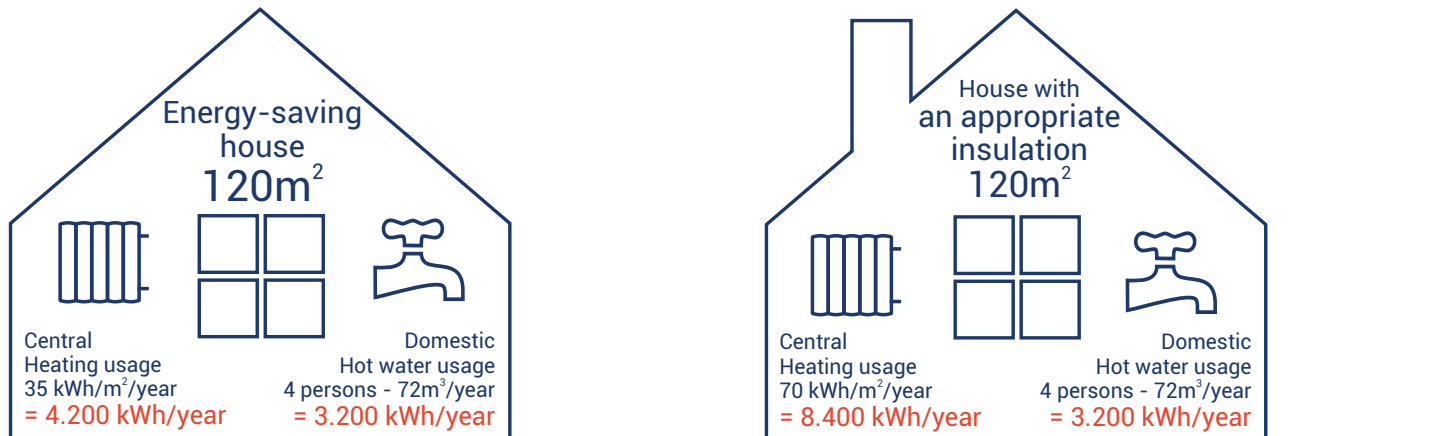
Graph shows the co-operation of electric boiler with water jacket fireplace or with solid fuel boiler. Such compilation ensures low maintenance costs combined with high usage comfort.



## Costs of electric heating

Costs of electric heating depend on the insulation of building. It's also important to choose proper energy tariff.

The diagram shows an example of using energy in houses with the surface of  $120\text{m}^2$ . For the calculation, it was adopted the using of  $1,5\text{m}^3$  domestic hot water per 1 person.







## Electric boilers

# EKCO.LN3 EKCO.L3



PV  
ready

D

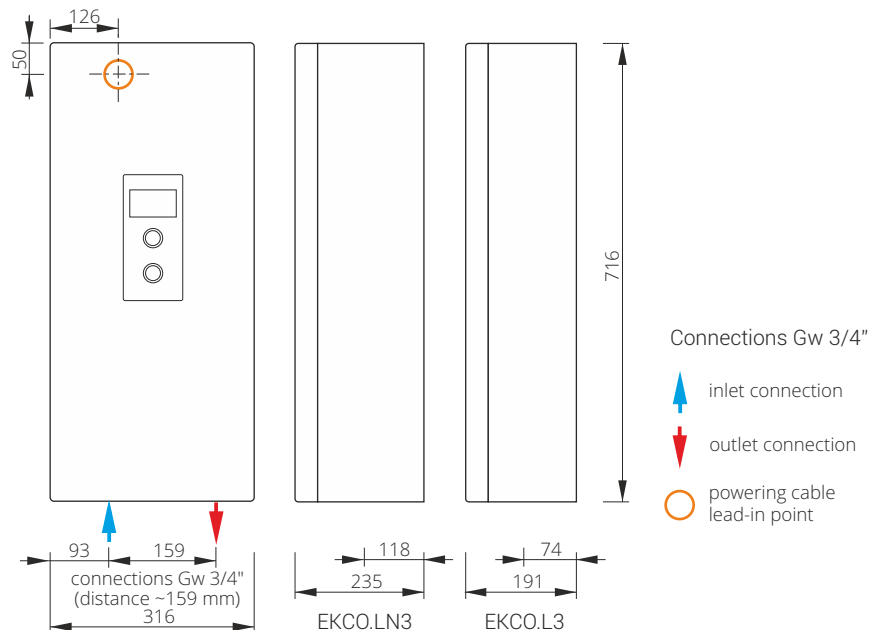
2 year\*  
warranty

Boilers in basic configuration.

## Most important advantages

- Automatically modulates the power of immersion heaters dependent on the heat demand
- Panel control allows heating water temperature range from 20 to 85°C
- Co-operation with central heating and DHW cylinder
- Equipped with an expansion vessel - 5 liters and circulation pump (EKCO.LN3)
- In cooperation with a hot water cylinder there is possible water temperature control and turning-on circulation pump in accordance with the set daily and weekly programs

## Dimensions



## Technical data

EKCO.LN3 - model - with an expansion vessel

Type	Rated power	Rated voltage	Rated electrical energy demand (A)	Minimal wires cross-section (mm <sup>2</sup> )
EKCO.LN3 - 04/06/08	2/4/6/8 kW	230V~	8,7/17,4/26,1/34,8	3 x 2,5/2,5/4/6
		400V 3~	5,8/8,7/11,6	5 x 2,5/2,5/2,5
EKCO.LN3 - 12/16/20/24	12/16/20/24 kW	400V 3~	3 x 17,4/23,1/28,8/34,6	5 x 2,5/4/4/6

EKCO.L3 - model - without an expansion vessel

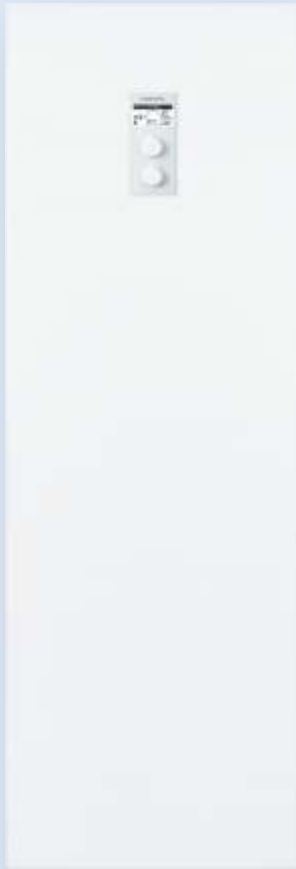
Type	Rated power	Rated voltage	Rated electrical energy demand (A)	Minimal wires cross-section (mm <sup>2</sup> )
EKCO.L3 - 04/06/08	2/4/6/8 kW	230V~	8,7/17,4/26,1/34,8	3 x 2,5/2,5/4/6
		400V 3~	5,8/8,7/11,6	5 x 2,5/2,5/2,5
EKCO.L3 - 12/16/20/24	12/16/20/24 kW	400V 3~	3 x 17,4/23,1/28,8/34,6	5 x 2,5/4/4/6

## Additional equipment

Type	Photo	Description
CZUJNIK WE-019/01		Temperature sensor in DHW cylinder
ZAWÓR.KOT.VC6013		Three-way valve - 3/4" for the co-operation with DHW cylinder

Boilers should be additionally equipped with room thermostat regulators, which ensures cost-efficient and user-friendly operation.

## EKD.M3

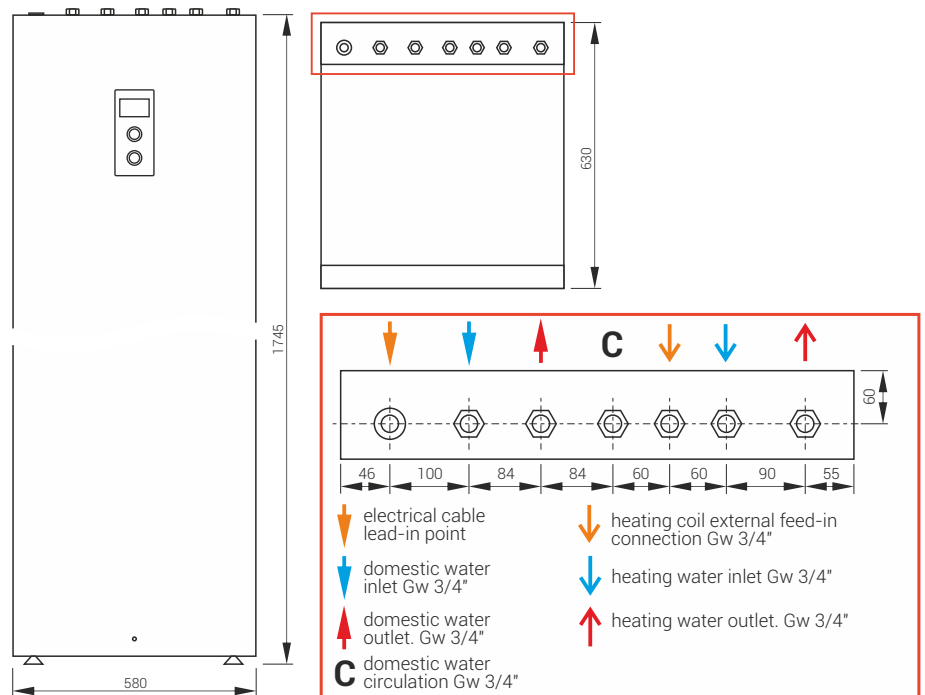


Bi-functional boiler with built in weather compensation and domestic hot water storage tank.

### Most important advantages

- The entire boiler room integrated in one housing contains electric boiler with weather control, hot water tank with capacity 130l, expansion vessels and other necessary fittings
- It does not take much space, modern compact design easy to assemble
- Weather compensation ensures automatic boiler respond to the changes of outside temperature. This allows for maintenance-free and energy efficient boiler operation
- The boiler control allows you to program the running time and the water temperature in the tank according to your individual needs, which ensures the most economical use of the appliance
- The possibility to set daily and weekly temperature
- The possibility to set temperature in domestic hot water storage tank and turn on the circulation pump

### Dimensions



### Technical data

Model EKD.M3 - bi-functional boiler with weather compensation

Type	Rated power / Rated current	Rated electrical energy demand (A)	Minimal wires cross-section (mm <sup>2</sup> )	Domestic water exchanger heating time Δt 40°C (min.)	Anode type
EKD.M3 - 04/06/08	4/6/8 kW	230V~	17,4/26,1/34,8	107/72/54	AMW.660
		400V 3~	5,8/8,7/11,6		
EKD.M3 - 12/16/20/24	12/16/20/24 kW / 400V 3~	3 x 17,4/23,1/28,8/34,6	5 x 2,5/4/4/6	36/29/24/18	AMW.660

## Electric boilers

### EKCO.T EKCO.TM



PV  
ready

D

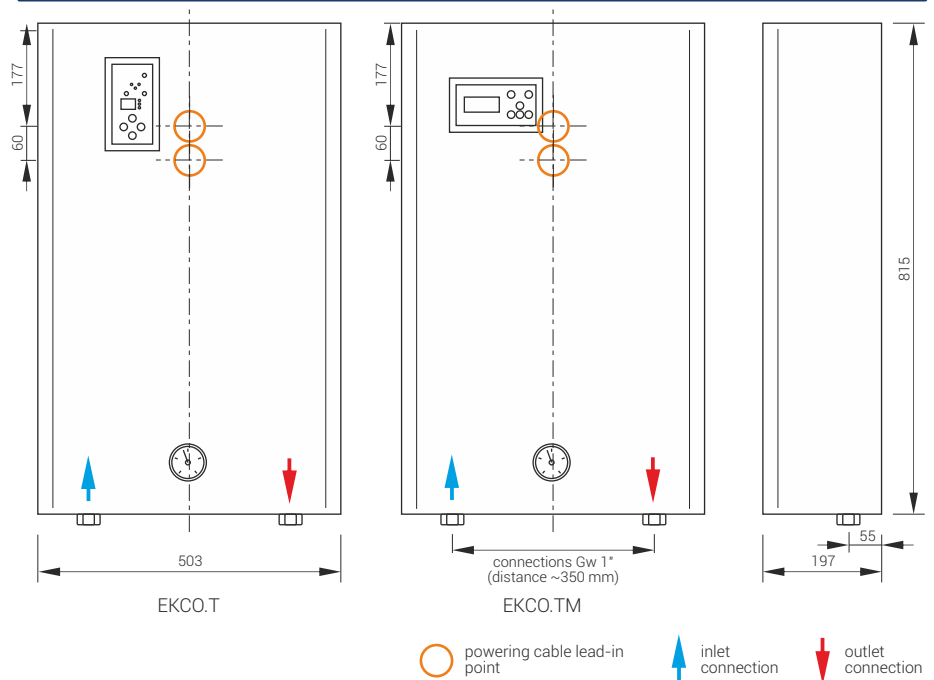
2 year\*  
warranty

High power boilers.

## Most important advantages

- EKCO.T model - high power boiler, intended for central heating system and hot water cylinders
- EKCO.TM model - high power boiler with weather compensation can work on one or two central heating systems and also with hot water cylinder
- Can co-operate with other boilers in cascade connection (EKCO.TM as a master boiler, EKCO.T as a slave boiler)
- Temperature range available: from 40°C to 85°C
- High power boilers are equipped with two heating elements to extend the lifespan of the unit
- EKCO.T boilers should be additionally equipped with room thermostat regulators, which ensure cost-efficient and user friendly operation
- Water temperature in cylinder can be set on the front panel if the WE-008 temperature sensor is applied

## Dimensions



## Technical data

EKCO.T - high power boilers in basic configuration

Type	Rated power / Rated voltage	Rated electrical energy demand (A)	Minimal wires cross-section (mm <sup>2</sup> )
EKCO.T-30	30kW / 400V 3N~	3x43,3	5x10
EKCO.T-36	36kW / 400V 3N~	3x52	5x10
EKCO.T-42	42kW / 400V 3N~	3x60,6	5x10
EKCO.T-48	48/kW / 400V 3N~	3x69,3	5x16

Please, note! EKCO.T boilers must be additionally equipped with temperature sensor, and in case of co-operation with water cylinder with three-way valve and temperature sensor WE-008.

EKCO.TM - high power boilers with weather compensation

Type	Rated power / Rated voltage	Rated electrical energy demand (A)	Minimal wires cross-section (mm <sup>2</sup> )
EKCO.TM-30	30kW / 400V 3N~	3x43,3	5x10
EKCO.TM-36	36kW / 400V 3N~	3x52	5x10
EKCO.TM-42	42kW / 400V 3N~	3x60,6	5x10
EKCO.TM-48	48/kW / 400V 3N~	3x69,3	5x16

Please, note! In case of co-operation with water cylinder EKCO.TM boilers must be additionally equippd with valve and temperature sensor WE-008.

## Additional equipment

Type	Photo	Description
CZUJNIK WE-008		temperature sensor for EKCO.T and EKCO.TM ( to measure temperature in cylinder)



## EKP.LN2M



### Most important advantages

#### Central Heating

Electric boiler with weather compensation

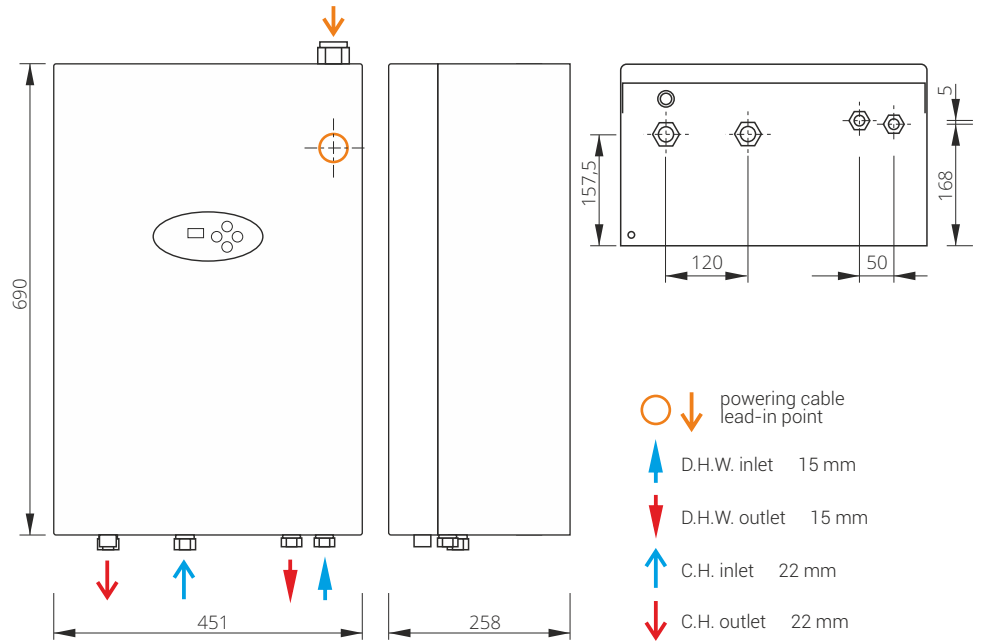
- Automatic modulation of the heater power depending on the temporary heat demand in heated rooms
- Electronic control panel
- Water temperature control in the central heating circuit in the range of 20-85°C
- Cooperation with any central heating installation
- Efficient circulation pump
- Expansion vessel with a capacity of 6 L
- Possibility to connect power and signal cables from the top and rear of the device
- Outside temperature sensor

#### D.H.W.

- Electronic control ensures precise temperature regulation
- Possibility to set the temperature in the range of 30-60°C with an accuracy of 1°C
- While providing D.H.W - energy class A
- Preview of inlet and outlet water temperature, flow rate and currently selected power
- Possibility to reheat pre-heated water - supply water temperature max. up to 60°C

Combi boiler for central heating and domestic hot water

### Dimensions



### Technical data

Type	Rated power	Rated voltage	Pressure C.H./D.H.W. (Mpa)	Rated electrical energy demand (A)	Minimal wires cross-section (mm <sup>2</sup> )	Efficiency D30°C (l/min.)
EKP.LN2M-11	11 kW	230V~	0,05-0,3 / 0,1-1,0	52,2	3 x 16	5,3
EKP.LN2M-13	13,2 kW	230V~	0,05-0,3 / 0,1-1,0	57,5	3 x 16	6,3
EKP.LN2M-18	18 kW	400V 3~	0,05-0,3 / 0,1-1,0	3 x 26,3	5 x 4	8,7
EKP.LN2M-24	24 kW	400V 3~	0,05-0,3 / 0,1-1,0	3 x 34,6	5 x 6	11,6



# DHW cylinders and buffer tanks

The KOSPEL DHW cylinders are characterised by high quality, durability and innovative solutions which are the result of many years of experience in the production of DHW cylinders and buffer tanks.

They are manufactured from top quality selected materials.







## Vertical hot water cylinders

# SWK



Cylinders with a single heating coil, all connections at the top side only. Dedicated for installation under wall-hanged central heating boiler.

## Most important advantages

### Energy efficiency class A

SWK A cylinder ensures highest thermal insulation class

- heat losses are reduced up to 50%! Comparing to efficiency class C it saves up to 320 kWh annually

### High thermal insulation and esthetics

- a class 65 mm insulation, made of polyurethane foam
- esthetic design and resistance to mechanical damage as cylinder's casing is made out of solid ABS material

### Advanced production technology

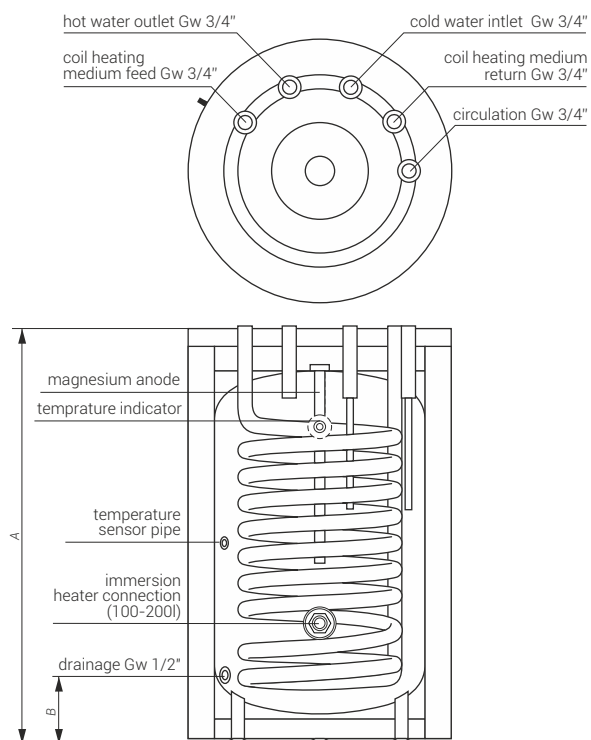
- automation provides full repeatability of the process and high precision
- evenly applied layer of enamel with optimal thickness creates the highest quality protection against corrosion

### Unbeatable quality

- products are made of the steel grades selected by our verified suppliers
- each device undergoes leakage tests and coating checks quality control

## Dimensions

type SWK



	Diameter (mm)	A (mm)	B (mm)
SWK-100.A	595	906	127
SWK-120.A	595	1018	127
SWK-140.A	595	1140	127

## Technical data

Type	Storage capacity (l)	Surface area of coil (m <sup>2</sup> )	Rated pressure (storage / coil) (MPa)	Power of coil ** (kW)	Thickness / material / type of insulation (mm) ***	Stand-by-losses (W)****	Anode type
SWK-100.A	97	0,82	0,6 / 1,0 MPa	25	65/PUR/NR	33	AMW.M8.450
SWK-120.A	111	1,0	0,6 / 1,0 MPa	30	65/PUR/NR	36	AMW.M8.450
SWK-140.A	134	1,1	0,6 / 1,0 MPa	32	65/PUR/NR	38	AMW.M8.450

\*\* Following parameters 80/10/45°C – (heating water temp./ feed water temp./ domestic water temp.), flow rate of heating water through the coil 2,5 m<sup>3</sup>/h.

\*\*\* Insulation: R- removable, NR- not removable.

\*\*\*\* In line with EU Commission resolution no. 812/2013, 814/2013.

# Vertical hot water cylinders

## SW



**B**  
100-200 l.

**C**  
Other capacities

Cylinders with heating coil, perfect to co-operate with central heating boiler

### Additional equipment

Following immersion heaters can be installed in all models:  
 GRW-1,4kW/230V; GRW-2,0kW/230V;  
 GRW-3,0kW/230V; GRW-4,5kW/400V.  
 Immersion heater GRW-6.0kW/400V can be installed in cylinders from capacity of 250l.

## Most important advantages

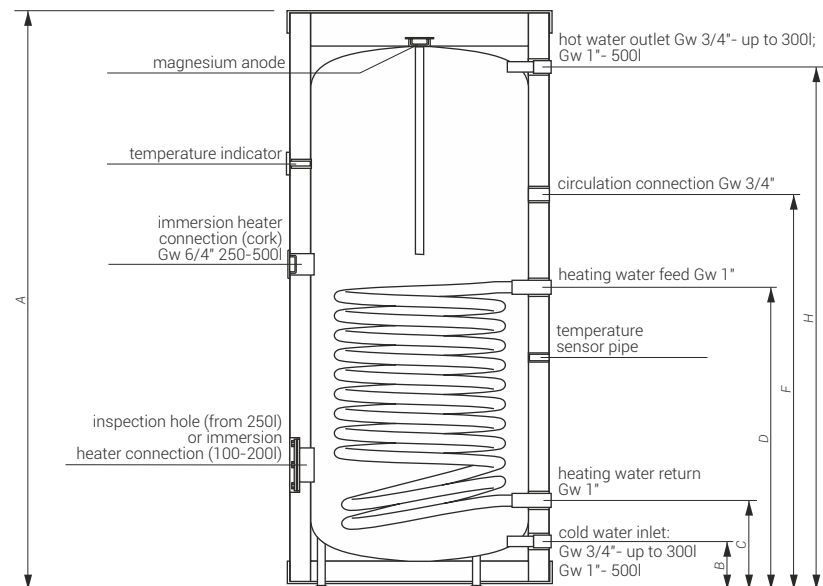
### Advanced production technology

- automation provides full repeatability of the process and high precision
- evenly applied layer of enamel with optimal thickness creates the highest quality protection against corrosion

### Unbeatable quality

- products are made of the steel grades selected by verified suppliers
- each device undergoes leakage tests and coating checks quality control

## Dimensions



	Diameter (mm)	A (mm)	B (mm)	C (mm)	D (mm)	E (mm)	F (mm)	G (mm)	H (mm)	I (mm)
SW-100	500	1200	112	240	753	-	851	-	1065	-
SW-120	500	1365	112	240	851	-	916	-	1235	-
SW-140	500	1435	112	240	851	-	1065	-	1305	1200
SW-200	595	1610	127	258	813	-	903	-	1464	1334
SW-250	695	1380	127	241	740	-	841	-	1230	1116
SW-300	695	1615	127	241	852	-	953	-	1464	1350
SW-500	854	1800	136	266	990	-	1220	-	1584	1453

## Technical data

Type	Capacity (l)	Surface area of heat exchange (m <sup>2</sup> )	Rated pressure (cylinder / coil) (MPa)	Power of cylinder** (kW)	Thickness / material / (mm) ***	Stand-by losses**** (W)	Anode type
SW-100	105	0,8	0,6 / 1,0	24	53 / PUR / NR	39	AMW.660
SW-120	124	1,0	0,6 / 1,0	30	53 / PUR / NR	43	AMW.800
SW-140	134	1,0	0,6 / 1,0	30	53 / PUR / NR	47	AMW.800
SW-200	204	1,1	0,6 / 1,0	32	65 / PUR / NR	59	AMW.M8.450
SW-250	250	1,2	0,6 / 1,0	35	67 / EPS / R	88	AMW.M8.450
SW-300	300	1,5	0,6 / 1,0	45	67 / EPS / R	94	AMW.M8.400
SW-500	465	2,25	0,6 / 1,0	65	100 / EPS / R	82	AMW.M8.500

\*\* Following parameters 80/10/45°C (heating water temp./ feed water temp./ domestic water temp.), flow rate of heating water through the coil 2,5 m<sup>3</sup>/h.

\*\*\* Insulation: R- removable, NR- not removable.

\*\*\*\* In line with EU Commission resolution no. 812/2013, 814/2013.

## Vertical hot water cylinders

# SB



- B**  
200 liters
- C**  
Other capacities

## Most important advantages

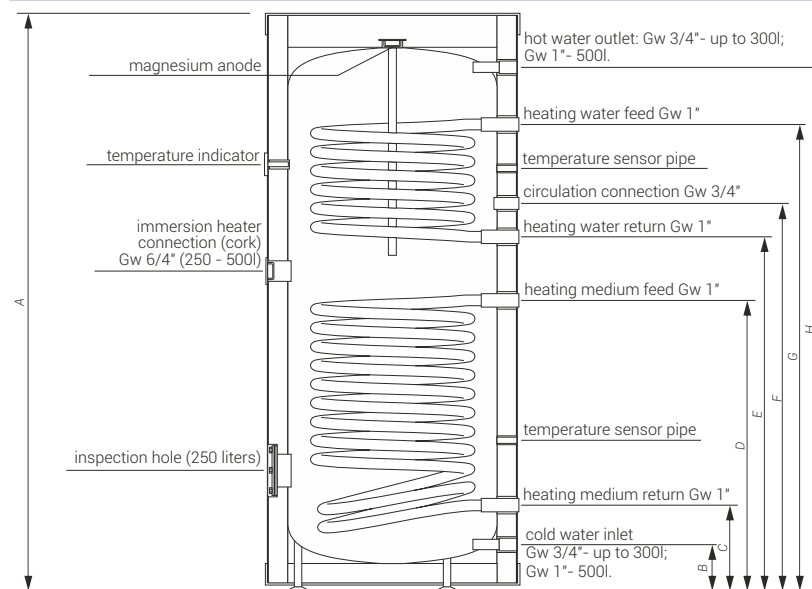
### Advanced production technology

- automation provides full repeatability of the process and high precision
- evenly applied layer of enamel with optimal thickness creates the highest quality protection against corrosion

### Unbeatable quality

- products are made of the steel grades selected by our verified suppliers
- each device undergoes leakage tests and coating checks quality control

## Dimensions



Cylinders with double heating coil, perfect to co-operate with central heating boiler and solar collectors

### Additional equipment

Following immersion heaters can be installed in all models:  
 GRW-1,4kW/230V; GRW-2,0kW/230V;  
 GRW-3,0kW/230V; GRW-4,5kW/400V.  
 Immersion heater GRW-6.0kW/400V can be installed in cylinders from capacity of 250l.

	Diameter (mm)	A (mm)	B (mm)	C (mm)	D (mm)	E (mm)	F (mm)	G (mm)	H (mm)	I (mm)
SB-200	595	1610	127	258	813	903	993	1290	1464	1334
SB-250	695	1380	127	241	628	747	837	1079	1230	1116
SB-300	695	1615	127	241	852	981	1071	1313	1464	1350
SB-500	854	1800	136	266	990	1115	1220	1448	1584	1453

## Technical data

Type	Storage (l)	Surface area of coil lower / upper (m <sup>2</sup> )	Rated pressure (cylinder / coil) (MPa)	Power of coil lower / upper ** (kW)	Thickness / insulation material *** (mm)	Stand-by losses **** (W)	Anode type
SB-200	204	1,1 / 0,75	0,6 / 1,0	32 / 22	65/PUR/NR	59	AMW.M8.400
SB-250	246	1,0 / 0,8	0,6 / 1,0	30 / 24	67/EPS/R	90	AMW.M8.400
SB-300	296	1,5 / 0,8	0,6 / 1,0	45 / 24	67/EPS/R	96	AMW.M8.500
SB-500	455	2,25 / 1,04	0,6 / 1,0	65 / 30	100/EPS/R	84	AMW.M8.590

\*\* Following parameters 80/10/45°C (heating water temp./ feed water temp./ domestic water temp.), flow rate of heating water through the coil 2,5 m<sup>3</sup>/h.

\*\*\* Insulation: R- removable, NR- not removable

\*\*\*\* In line with EU Commission resolution, no. 812/2013,814/2013.

# Vertical hot water cylinders

## SE



**B**  
140-200 l.

**C**  
Other capacities

Vertical hot water cylinders perfect to store domestic hot water

### Additional equipment

Immersion heaters can be installed in the cylinder. GRW-1,4kW/230V; GRW-2,0kW/230V; GRW-3,0kW/230V; GRW-4,5kW/400V for all capacities, and GRW-6,0kW/400V in capacities from 250l. Flansza.GRW / Flansza.GRW.800-1000 – flange plug with the connection for immersion heater (from 250 l.), max. rated power - 6,0kW

## Most important advantages

### Advanced production technology

- automation provides full repeatability of the process and high precision
- evenly applied layer of enamel with optimal thickness creates the highest quality protection against corrosion

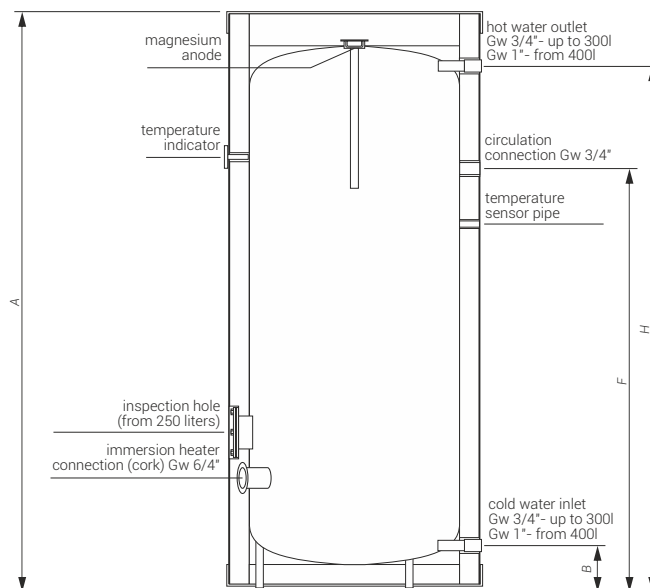
### Unbeatable quality

- products are made of the steel grades selected by our verified suppliers
- each device undergoes leakage tests and coating checks quality control

### High quality thermal insulation and esthetic design

- effective thickness of thermal insulation minimises energy losses
- esthetic design and resistance to mechanical damage as it's made out of solid ABS material

## Dimensions



	Diameter (mm)	A (mm)	B (mm)	C (mm)	D (mm)	E (mm)	F (mm)	G (mm)	H (mm)	I (mm)
SE-140	500	1435	111	-	-	-	993	-	1301	-
SE-200	595	1610	127	-	-	-	1109	-	1464	-
SE-250	695	1380	127	-	-	-	943	-	1230	-
SE-300	695	1615	127	-	-	-	1093	-	1464	-
SE-400	755	1660	124	-	-	-	1125	-	1507	-
SE-500	854	1800	136	-	-	-	1220	-	1584	-

## Technical data

Type	Storage capacity (l)	Rated pressure (tank) (MPa)	Stand-by losses ** (W)	Thickness / material / type of insulation (mm) ***	Anode type
SE-140	140	0,6	47	53/PUR/NR	AMW.400
SE-200	210	0,6	59	65/PUR/NR	AMW.M8.450
SE-250	255	0,6	85	67/EPS/R	AMW.M8.450
SE-300	305	0,6	92	67/EPS/R	AMW.M8.450
SE-500	485	0,6	83	100/EPS/R	AMW.M8.400

\*\* Following parameters 80/10/45°C – (heating water temp./feed water temp./domestic water temp.), flow rate of heating water through the coil 2,5 m<sup>3</sup> /h.

\*\*\* Insulation: R- removable, NR- not removable.

## Vertical hot water cylinders

### SWP



B

HEAT PUMP  
READY

6 year\*  
warranty

Cylinders with a very big heating coil, perfect for co-operation with the heat pump

### Additional equipment

Immersion heaters: GRW-1,4kW/230V;  
GRW-2,0kW/230V; GRW-3,0kW/230V;  
GRW-4,5kW/400V (SWP-200, SWP-300),  
GRW-6,0kW/400V (SWP-300)

## Most important advantages

### Large coil area

- heating coil with a large area
  - 2,1 m<sup>2</sup> - SWP-200
  - 2,6 m<sup>2</sup> - SWP-300
- heat pump compatible

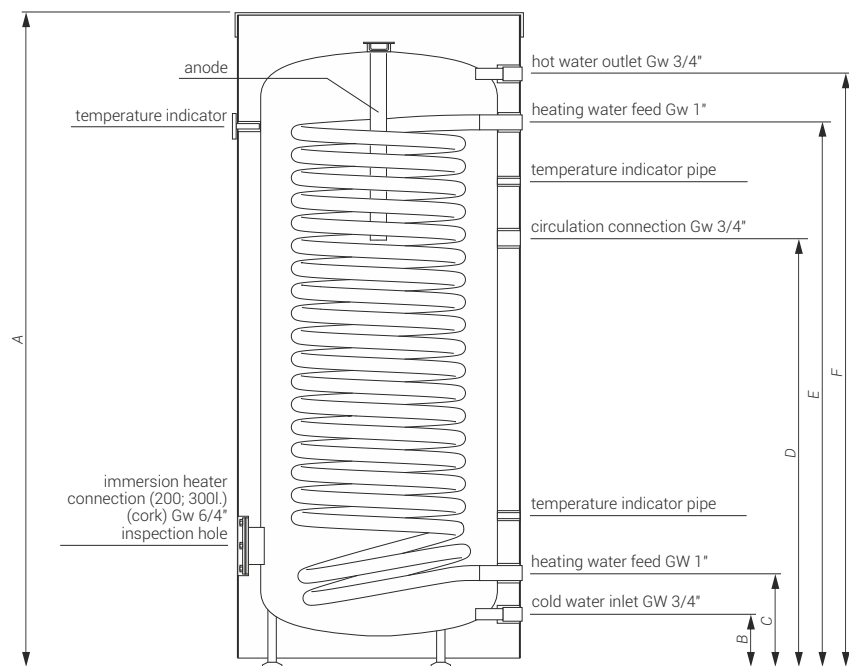
### Advanced production technology

- automation provides full repeatability of the process and high precision
- evenly applied layer of enamel with optimal thickness creates the highest quality protection

### Unbeatable quality

- products are made of the steel grades selected by our verified suppliers
- each device (100%) undergoes leakage tests and coating checks quality control

## Dimensions



	Diameter (mm)	A (mm)	B (mm)	C (mm)	D (mm)	E (mm)	F (mm)
SWP-200	595	1610	127	258	993	1290	1464
SWP-300	695	1615	127	241	1071	1313	1464

## Technical data

Type	Capacity (l)	Surface area of coil (m <sup>2</sup> )	Rated pressure (cylinder / coil) (MPa)	Power of coil ** (kW)	Thickness / insulation material *** (mm)	Stand-by losses **** (W)	Anode type
SWP-200	199	2,1	0,6 / 1,0	60 / 18	65/PUR/NR	59	AMW.M8.400
SWP-300	310	2,6	0,6 / 1,0	70 / 21	67/PUR/NR	59	AMW.M8.500

\* Detailed warranty conditions are described in the warranty card.

\*\* Following parameters 80/10/45°C / 55/10/45°C (heating water temp. / feed water temp. / DHW temp.), flow rate of heating water through the coil 2,5 m<sup>3</sup>/h.

\*\*\* Insulation: R - removable, NR - not removable.

\*\*\*\* In line with EU Commission resolution no. 812/2013, 814/2013.

## Vertical hot water cylinders

### SWPC



B

HEAT PUMP  
READY

6 year\*  
warranty

Cylinders with a very big heating coil, perfect for co-operation with the heat pump

#### Additional equipment

Grzałki elektryczne: GRW-1,4kW/230V;  
GRW-2,0kW/230V; GRW-3,0kW/230V;  
GRW-4,5kW/400V

Flansa.GRW - flange plug with the connection for immersion heater, max. rated power - 4,5kW

## Most important advantages

### Large coil area

- double heating coil with a surface of 4,22 m<sup>2</sup>
- heat pump compatible.

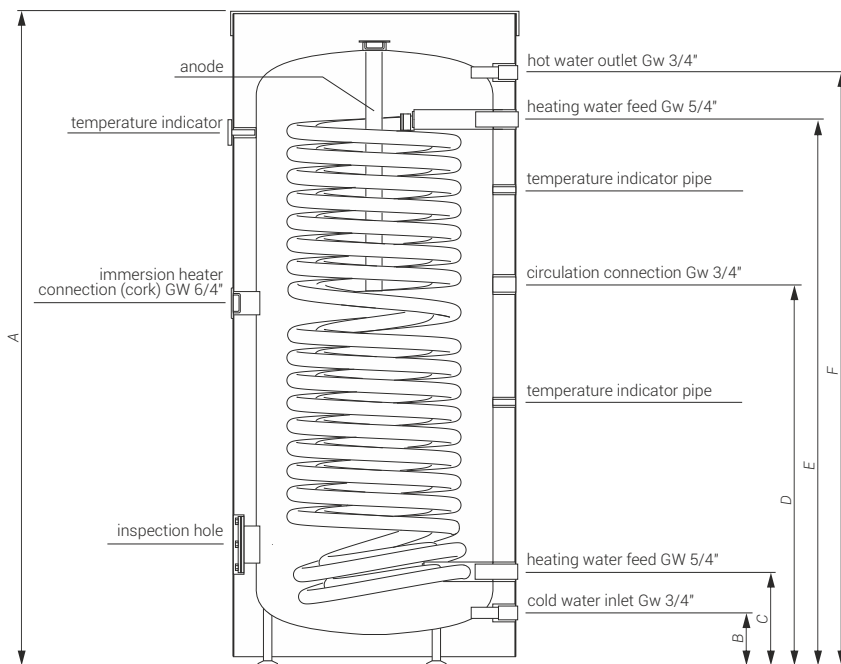
### Advanced production technology

- automation provides full repeatability of the process and high precision
- evenly applied layer of enamel with optimal thickness creates the highest quality protection

### Unbeatable quality

- products are made of the steel grades selected by our verified suppliers
- each device (100%) undergoes leakage tests and coating checks quality control

## Dimensions



	Diameter (mm)	A (mm)	B (mm)	C (mm)	D (mm)	E (mm)	F (mm)
SWPC-300	695	1615	127	237	953	1354	1464

## Technical data

Type	Capacity (l)	Surface area of coil (m <sup>2</sup> )	Rated pressure (cylinder / coil) (MPa)	Power of coil ** (kW)	Thickness / insulation material *** (mm)	Stand-by losses **** (W)	Anode type
SWPC-300	305	4,22	0,6 / 1,0	120 / 36	67/PUR/NR	61	AMW.M8.590

\* Detailed warranty conditions are described in the warranty card.

\*\* Following parameters 80/10/45°C / 55/10/45°C (heating water temp. / feed water temp. / DHW temp.), flow rate of heating water through the coil 2,5 m<sup>3</sup>/h.

\*\*\* Insulation: R - removable, NR - not removable.

\*\*\*\* In line with EU Commission resolution no. 812/2013, 814/2013.



# The "all in one" combination tank

## SWVPC



The combination tank combines a hot water exchanger and a central heating buffer tank to support space heating and cooling. The tank has a double coil "Double Coil" with an area of 2,7 m<sup>2</sup>

### Additional equipment

Immersion heaters can be installed in the cylinder:  
GRW-1,4kW/230V; GRW-2,0kW/230V;  
GRW-3,0kW/230V; GRW-4,5kW/400V

## Most important advantages

### Double Coil

- special design - two coils connected by a manifold provide a large flow and heating surface, which guarantees the highest efficiency of the pump's operation

### Full baffle insulation

- the baffle in the central heating buffer tank prevents mixing of hot water supplying the central heating system with the cool water returning to the buffer.

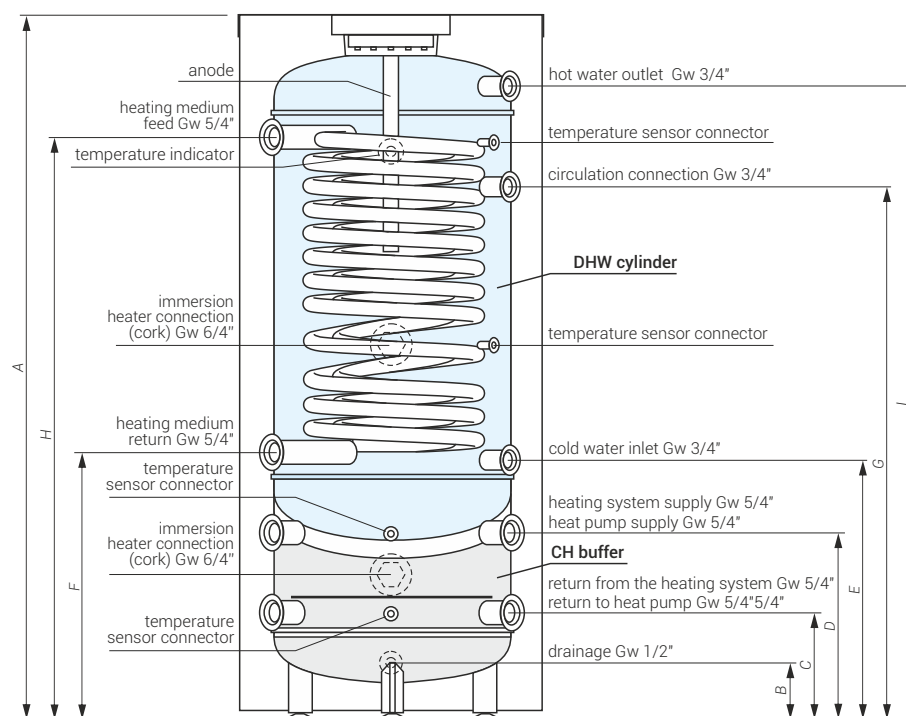
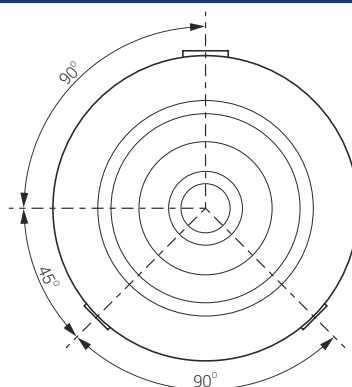
### Performance and compactness all in one

- the compact design allows for simplified installation in small or sparse positioned rooms, and the capacity provides the comfort of hot water domestic hot water even for a family of 4

### Reinforced casing

- the ABS plastic housing is durable and protects the tank from damage mechanical damage, and the material does not age during years of use

## Dimensions



	Diameter (mm)	A (mm)	B (mm)	C (mm)	D (mm)	E (mm)	F (mm)	G (mm)	H (mm)	I (mm)
SWVPC-250/60	695	1610	127	234	384	544	563	1154	1289	1454

## Technical data

Product code	Storage capacity full / DHW / CH / c.o. (l)	Surface area of heat transfer (m <sup>2</sup> )	Rated pressure (DHW cylinder / CH buffer) (Mpa)	Power of cylinder** (kW)	Thickness/ insulation material (mm)***	Stand-by losses (W) ****	Anode type
SWVPC-250/60	295/235/60	2,7	0,6 / 0,3	75 / 23	67/PUR/NR	56	AMW.M8.500

\* Detailed warranty conditions are described in the warranty card.

\*\* Following parameters 80/10/45°C / 55/10/45°C (heating water temp. / feed water temp. / DHW temp.), flow rate of heating water through the coil 2,5 m<sup>3</sup>/h.

\*\*\* Insulation: R - removable, NR - not removable.

\*\*\*\* In line with EU Commission resolution no. 812/2013, 814/2013.

## CH buffer tanks, not enamelled

# SVK

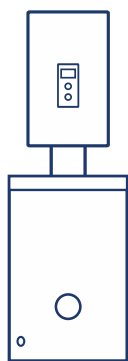


**A**

**HEAT PUMP  
READY**

**5 year\*  
warranty**

Perfect with central heating installation eg. with co-operation with heat pump



### Additional equipment

Immersion heaters can be installed in the cylinder:  
GRW-1,4kW/230V; GRW-2,0kW/230V;  
GRW-3,0kW/230V; GRW-4,5kW/400V

### Technical data

Type	Storage capacity (l)	Rated pressure (MPa)	Thickness / material / type of insulation **	Stand-by-losses *** (W)
SVK-100	104	0,6 MPa	65/PUR/NR	27

\*\* Insulation: R- removable, NR- not removable

\*\*\* In line with EU Commission resolution, no. 812/2013, 814/2013.

### Most important advantages

#### Energy class A

SVK buffer tank ensures highest energy class.

- very high thermal insulation class reduces heat losses up to 50%! Comparing to efficiency class C it saves up to 320 kWh annually

#### High thermal insulation and esthetics

- a class 65 mm insulation, made of polyurethane foam
- esthetic design and resistance to mechanical damage as cylinder's casing is made out of solid ABS material

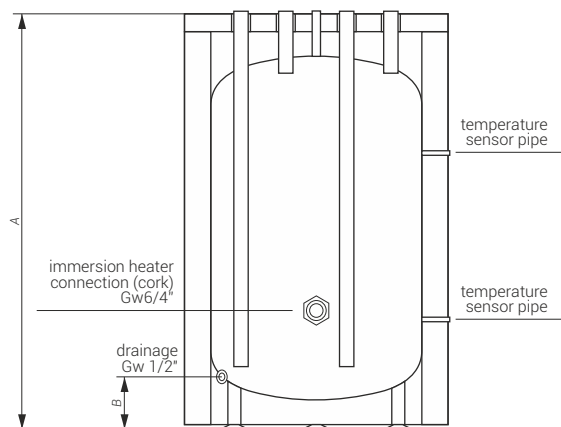
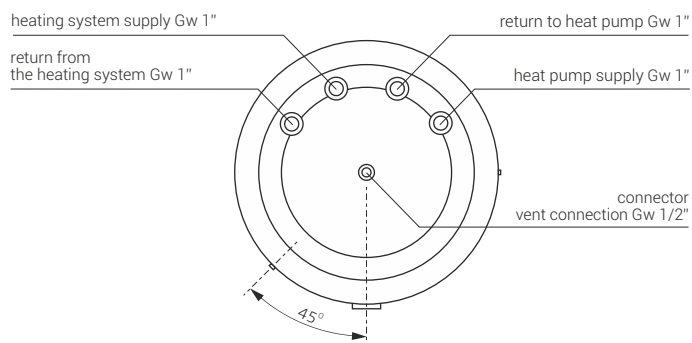
#### Unbeatable quality

- products are made of the steel grades selected by our verified suppliers
- each device undergoes leakage tests and coating checks quality control

#### Easy installation

- CH connections directed up allow for easier connection to the installation of heat pump

### Dimensions



	Średnica (mm)	A (mm)	B (mm)
SVK-100	595	906	127

# CH buffer tanks, not enamelled

## SV/SVW



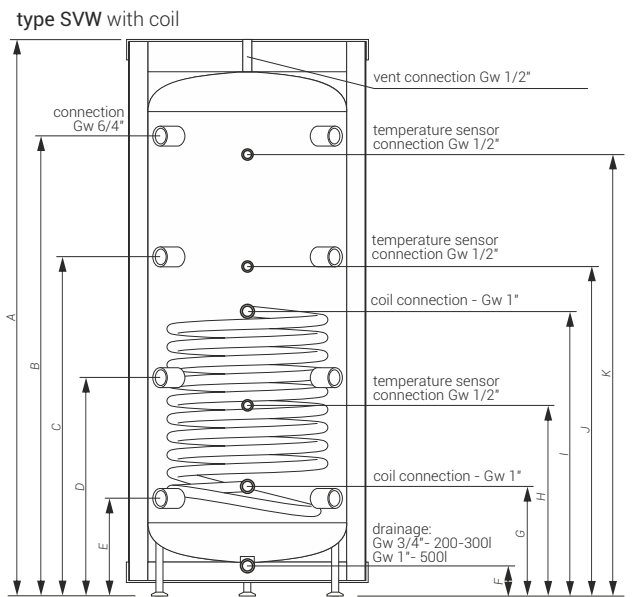
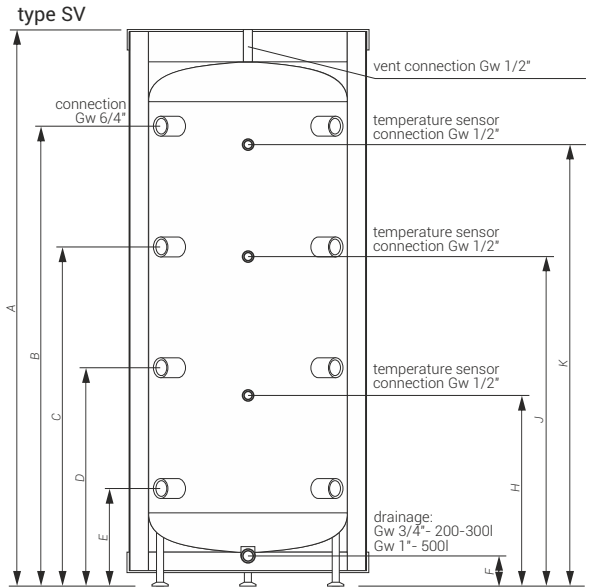
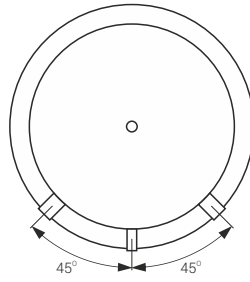
**B**

200 liters  
SV 300.1  
SVW 300.1

**C**

Other  
capacities

### Dimensions



Ideal to store domestic hot water from different sources of heat eg. 2 central heating boilers and solar collectors

	Diameter (mm)	A (mm)	B (mm)	C (mm)	D (mm)	E (mm)	F (mm)	G (mm)	H (mm)	I (mm)	J (mm)	K (mm)
SV-200	595	1616	1322	970	618	266	125	-	554	-	911	1239
SV-300.1	692	1596	1338	973	611	249	126	-	544	-	940	1249
SV-500	854	1761	1446	1051	656	261	130	-	629	-	1064	1379
SVW-200	595	1616	1322	970	618	266	125	256	554	811	911	1239
SVW-300.1	692	1596	1338	973	611	249	126	239	544	850	940	1249
SVW-500	854	1761	1446	1051	656	261	130	251	629	974	1064	1379

### Technical data

Type	Capacity (l)	Surface area of coil (m <sup>2</sup> )	Rated pressure (cylinder / coil) (MPa)	Thickness/insulation material*** (mm)	Stand- by losses** (W)
SV-200	210	-	0,6 / -	65/PUR/NR	59
SV-300.1	312	-	0,6 / -	67/PUR/NR	62
SV-500	485	-	0,6 / -	100/EPS/R	83
SVW-200	204	0,75	0,6 / 1,0	65/PUR/NR	59
SVW-300.1	312	1,5	0,6 / 1,0	67/PUR/NR	62
SVW-500	465	2,25	0,6 / 1,0	100/EPS/R	82

\*\* In line with EU Commission resolution no. 812/2013, 814/2013.

\*\*\* Insulation: R- removable, NR- not removable.

## Cylinder accessories

	Item	Description
	ANODA.AMW.570	Magnesium anode AMW 31x570 with cork 5/4"
	ANODA.AMW.660	Magnesium anode 21x660 with cork 3/4"
	ANODA.AMW.760	Magnesium anode AMW 31x760 with cork 5/4"
	ANODA.AMW.800	Magnesium anode AMW 21x840 with cork 3/4"
	ANODA.AMW.M8.400	Magnesium anode AMW 40x400 M8
	ANODA.AMW.M8.450	Magnesium anode AMW 33x450 M8
	ANODA.AMW.M8.500	Magnesium anode AMW 40x500 M8
	ANODA.AMW.M8.590	Magnesium anode AMW 40x590 M8
	ANODA.ELEKTRONICZNA.L380.PL	Electronic anode (titanium) L380, with cork 6/4" for cylinders up to 500 liters
ANODA.ELEKTRONICZNA.L430.PL	Electronic anode (titanium) L430, with cork 5/4" for enamelled cylinders capacity 800l and 1000l	
	FLANSA.GRW	Flange plug of vertical standing cylinders from 250l to 500l with the connection for immersion heater Gw 6/4"
	GRZAŁKA.GRW-1.4	Immersion heater with a thermostat GRW-1,4kW/230V, 6/4"
	GRZAŁKA.GRW-2.0	Immersion heater with a thermostat GRW-2,0kW/230V, 6/4"
	GRZAŁKA.GRW-3.0/230V	Immersion heater with a thermostat GRW-3,0kW/230V, 6/4"
	GRZAŁKA.GRW-4,5/400V	Immersion heater with a thermostat GRW-4,5kW/400V, 6/4"
	GRZAŁKA.GRW-6,0/400V	Immersion heater with a thermostat GRW-6,0kW/400V, 6/4"
	KLUCZ.SWK	Cork spanner 6/4" or to immersion heater (for cylinders in class A) - WMD-216
	KLUCZ.KORKA	Cork spanner 6/4" - WMD-145
	WIESZAK.WMD-019	Hanger for horizontal exchangers

# Electric instantaneous water heaters

KOSPEL water heaters are the ideal solution for homes and offices. Our products are distinguished by their high A-class energy efficiency. The small size of the heaters allows installation close to the consumption points which ensures maximum use of energy without transmission losses.

Save energy and money with KOSPEL water heaters.







# Electric instantaneous water heaters - worth to know

## Energy consumption only at the time of use

**A**

**The highest  
energy class!**

### Do not lose heat in the tank!

The average commercially available storage heater capacity heater (80l) generates an energy loss of approximately 1.5kWh/24h.

By replacing it with an instantaneous water heater you can save up to 550 kWh a year!



## Comfortable and low electricity consumption

Electric instantaneous water heaters offer an energy efficient way to heat water. They ensure low heat losses and low electricity consumption.

up to **30%**  
savings



## Safety

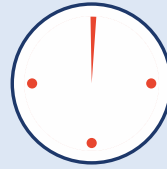
Electric instantaneous water heaters are clean and they are safe in operation.

## Low installation cost

Electric instantaneous water heaters are easy to install, they do not require an additional gas connection or chimney.

## Hot water immediately and with no limits

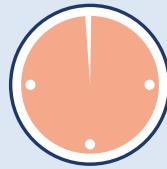
Electric instantaneous water heaters ensure hot water immediately and users are not limited to the hot water stored in the tank.



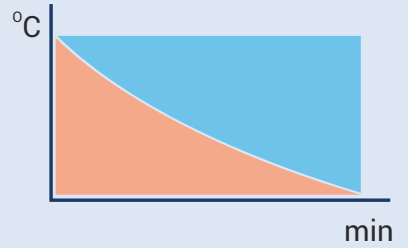
40°C - 3 sec.



In storage water heaters, hot water is limited, after the use of water, it's necessary to wait for another fill.



40°C - 1h (50 l)



## Power selection of electric instantaneous water heaters



from 3,5kW



from 5,5kW

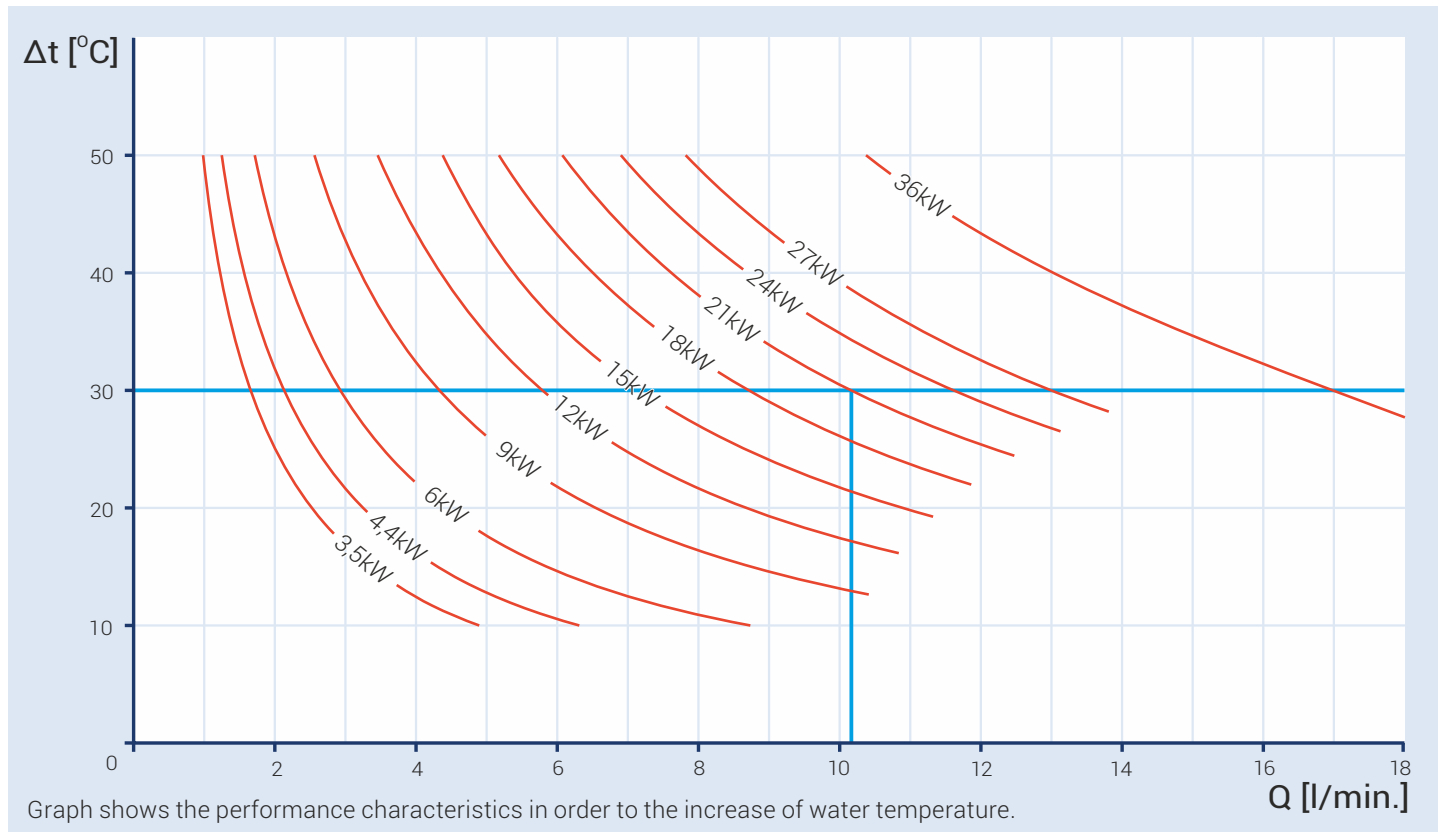


summer houses - from 5,5kW  
all year - from 12kW



from 18kW

## Performance characteristics of electric instantaneous water heaters



## Fine-stream spray head

Guarantees comfortable use and savings up to 50%.



## Electric instantaneous water heaters

### EPS2



IP25



Small in size, inexpensive to install, ideal for summer houses, offices or bars.

## Application



EPS2 from 3,5kW



EPS2 5,5kW

## Most important advantages

### EPS2

#### Mixer tap included in the set

- nonpressure appliance
- three-way tap included in the set

#### Fine-stream spray head

- comfortable use
- savings on water and energy up to 50%

#### Power switch

- the power switch in 5,5kW / 4,4kW

#### Supply cord

- connecting cord 1,2 m
- connection to the electrical terminal block

### EPS2.P

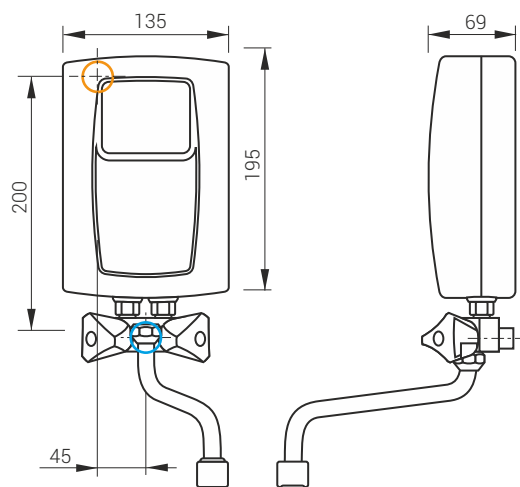
#### Fine-stream spray head

- comfortable use
- savings on water and energy up to 50%


#### Mixer tap included in the set

- nonpressure appliance
- three-way tap included in the set

## Dimensions



Inlet and outlet section: 1/2"

 cold water inlet

 electric cable connection point

### EPS2.P



IP25



## Technical data

Type	Rated power / Rated voltage	Supply water pressure (MPa)	Rated current (A)	Min. connecting wires section (mm <sup>2</sup> )	Efficiency (Δt=30°) (l/min.)
EPS2-3,5	3,5 kW / 230V~	0,12 - 0,6	15,2	3 x 1,5	1,7
EPS2-4,4	4,4 kW / 230V~	0,12 - 0,6	19,1	3 x 2,5	2,1
EPS2-5,5	5,5 kW / 230V~	0,12 - 0,6	23,9	3 x 2,5	2,6
EPS2.P-4,4	4,4 kW / 230V~	0,12 - 0,6	19,1	3 x 2,5	2,1
EPS2.P-5,5	5,5 kW / 230V~	0,12 - 0,6	23,9	3 x 2,5	2,6

# Electric instantaneous water heaters

## EPO2



IP25

A

EPO2-6.2 - possibility to connect to:  
1-phase 230~ installation  
2-phase 3-phase 400V 2N~ installation

### Application



from 3,5kW



from 5,5kW



from 4,4kW \*\*

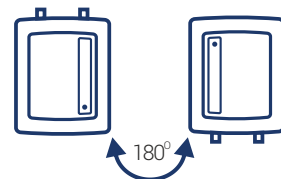
### Most important advantages

#### Universal mounting

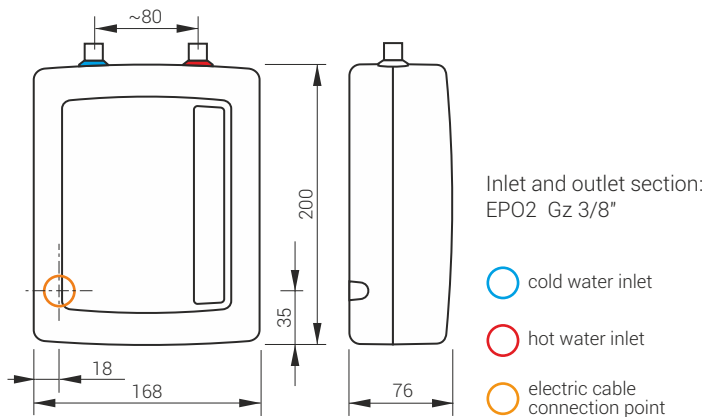
- can be installed in any position, above or below the sink

#### Fine-stream spray head

- comfortable use
- savings on water and energy up to 50%



### Dimensions



### Technical data

Type	Rated power / Rated voltage	Supply water pressure (MPa)	Rated current (A)	Min. connecting wires section (mm <sup>2</sup> )	Efficiency (Δt=30°) (l/min.)
EPO2-3	3,5 kW / 230V~	0,12 - 0,6	15,2	3 x 1,5	1,7
EPO2-4	4,4 kW / 230V~	0,12 - 0,6	19,1	3 x 2,5	2,1
EPO2-5	5,5 kW / 230V~	0,12 - 0,6	23,9	3 x 2,5	2,7
EPO2-6.2	6,0 kW / 230V~ or 400V 2N~	0,12 - 0,6	26,1 / *13	3 x 4 / *4 x 2,5	2,9

## Electric instantaneous water heaters

# KDE3 electronic



IP25

A

2 year\* warranty

Electronically controlled heater.

## Application



from 9kW



from 12kW



from 18kW

## Most important advantages

### Electronic control system

- stability and smooth regulation of water temperature
- the possibility to regulate water temperature from 30°C to 60°C (1°C step)

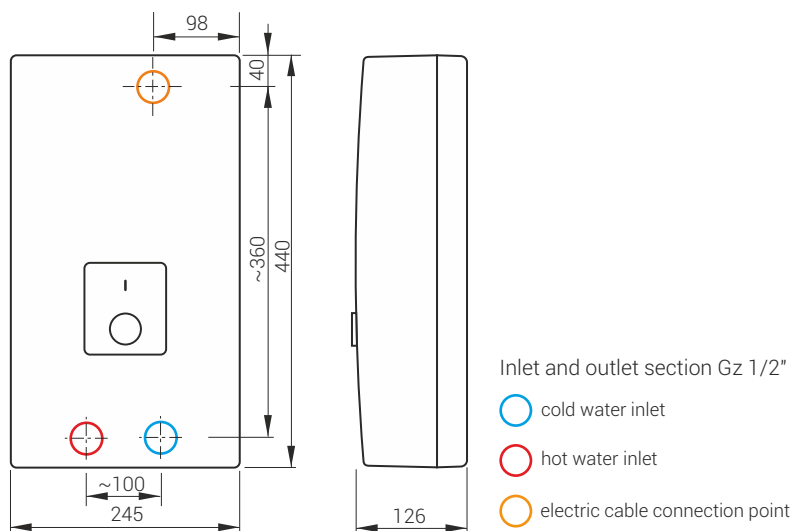
### 4 powers in 1 heater

- allows the user to select desired power level
- not applicable for 27kW version

### The possibility to re-heat already pre-heated water

- inlet water temperature up to 60°C

## Dimensions



## Technical data

Type	Rated power / Rated voltage	Supply water pressure (MPa)	Rated current (A)	Min. connecting wires section (mm <sup>2</sup> )	Efficiency ( $\Delta t=30^{\circ}$ ) (l/min.)
KDE3-09/12/15	9/11/12/15 kW / 400V 3~	0,1 - 1,0	3x13,0/15,9/17,3/21,7	4 x 1,5/2,5/2,5/2,5	4,3/5,2/5,8/7,2
KDE3-18/21/24	17/18/21/24 kW / 400V 3~	0,1 - 1,0	3x24,6/26,0/30,3/34,6	4 x 4/4/4/6	8,1/8,7/10,1/11,6
KDE3-27	27 kW / 400V 3~	0,1 - 1,0	3x39,0	4 x 6	13,0

## Electric instantaneous water heaters

# KDE5 electronic LCD



IP25

A

2 year\*  
warranty

Electronically controlled heater with LCD display.

## Application



from 9kW



from 12kW



from 18kW

## Most important advantages

### LCD display

- inlet and outlet temperatures
- water flow rate
- unit power

### Electronic control system

- stability and smooth regulation of water temperature
- the possibility to set temperature from 30°C to 60°C (1°C step)

### 4 powers in 1 heater

- allows the user to select desired power level (not applicable for 27kW)

### The possibility to re-heat already pre-heated water

- the temperature output until 60°C

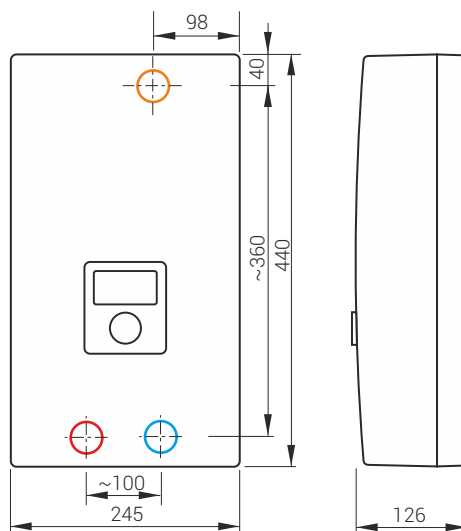
### Temperature lock

- allows the user to save the maximum temperature
- it protects children against burn injuries


### Temperature memory

- allows the user to save three most frequently used water temperatures


## Dimensions



Inlet and outlet section Gz 1/2"

 cold water inlet

 hot water inlet

 electric cable connection point

## Technical data

Type	Rated power / Rated voltage	Supply water pressure (MPa)	Rated current (A)	Min. connecting wires section (mm <sup>2</sup> )	Efficiency ( $\Delta t=30^\circ$ ) (l/min.)
KDE5-09/12/15.LCD	9/11/12/15 kW / 400V 3~	0,1 - 1,0	3x13,0/15,9/17,3/21,7	4 x 1,5/2,5/2,5/2,5	4,3/5,2/5,8/7,2
KDE5-18/21/24.LCD	17/18/21/24 kW / 400V 3~	0,1 - 1,0	3x24,6/26,0/30,3/34,6	4 x 4/4/4/6	8,1/8,7/10,1/11,6
KDE5-27.LCD	27 kW / 400V 3~	0,1 - 1,0	3x39,0	4 x 6	13,0



## Electric storage water heaters

### POC 10 inox

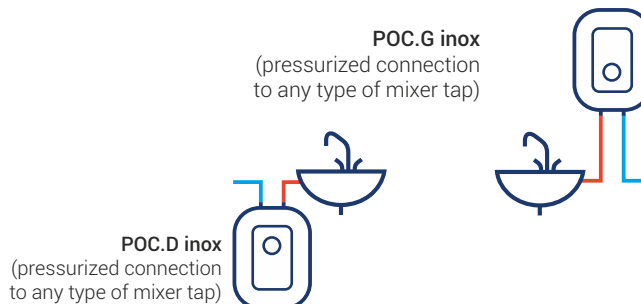


IP24

A

Water heaters for washbasin with the tank made of stainless steel.

## Application



## Most important advantages

### Stainless steel tank

- resistant to corrosion
- no need to change an anode regularly

### Efficient immersion heater of 2000W

- 5,5 min for 5l
- 11 min for 10l (water heating 10°-40°C)

### Energy efficiency class A

- very low energy losses

### Comfortable temperature control

- smooth temperature range from 23-70°C

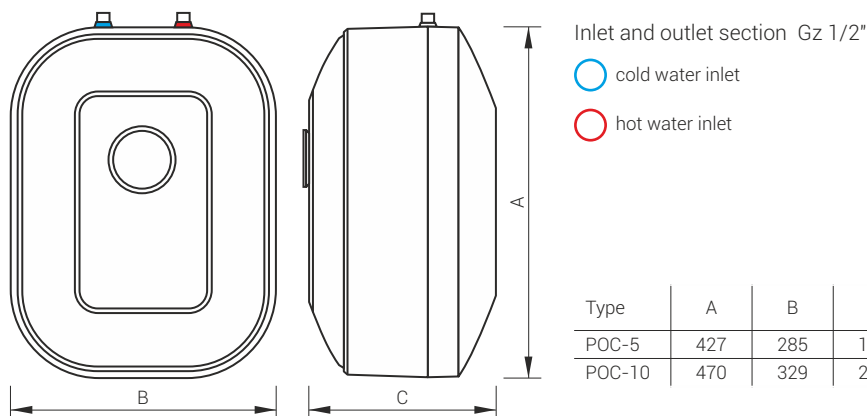
### POC 5 inox



IP24

A


## Dimensions




## Technical data

Type	Rated power / Rated voltage	Max supply water pressure (MPa)	Capacity (l)	Heating time $\Delta t = 30^\circ\text{C}$ (min.)
POC.D-5	2 kW / 230V	0,6	5	5,5
POC.G-5	2 kW / 230V	0,6	5	5,5
POC.D-5 600W	0,6 kW / 230V	0,6	5	18
POC.D-10	2 kW / 230V	0,6	10	11
POC.G-10	2 kW / 230V	0,6	10	11

## Instantaneous water heaters accessories

	Type	Description
	BATERIA.EPS	Chrome mixer tap (without faucet) for EPS Twister
	PERL.GW.WEW.CHROM	Fine-stream spray head (chrome, internal thread)
	PERL.GW.ZEW.CHROM	Fine-stream spray head (chrome, external thread)
	PRZYŁĄCZA.PP.GÓRA	Top connections (copper)
	PRZYŁĄCZA.PP.DÓŁ	Bottom connections (copper)
	WYLEWKA.150.CHROM	150 mm KOSPEL chrome faucet
	WYLEWKA.250.CHROM	250 mm KOSPEL chrome faucet
	WYLEWKA.300.CHROM	300 mm KOSPEL chrome faucet
WYLEWKA.PRYSZNICOWA	Shower fine-stream spray head	

## Storage water heaters accessories

	Type	Description
	BATERIA.POC.Gb	Chrome mixer tap (with faucet) and connection pipes for POC.G



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