KOSPEL

Product catalogue 2021

KOSPEL - Who we are

The history of Kospel company dates back to 1990. Investments in modern technologies and emphasis on own product solutions allowed the family company to become one of the largest manufacturers of electric heating equipment in Europe within 30 years.

Our devices are delivered to 57 countries. Such as impressive development was ensured by a focus on innovation, technology development and exceptional care for customer relations based on trust.

Since November 2019 we are a member of Viessmann group.

MISSION

Our mission is to provide comfortable and clean heating.

By implementing cutting-edge technologies and the highest quality standards, we offer heating devices which are distinguished by their functionality, design, energy efficiency and the possibility of using renewable energy sources.

VISION

We want to be the most important European manufacturer of innovative, energy-efficient and environmentally friendly heating systems.

OUR VALUES

- We are constantly developing - we develop technologies and products, we think long-term. We constantly analyze how to work more effectively and improve the quality of our work.
- We are committed - we build close relations with our business partners, we solve problems together, we are connected with the company and we are fully committed to our duties.
  We are listening to our user's needs.
- We are authentic - we inform honestly about the values of our products, relations with our partners are based on reliability and loyalty. We manufacture devices using many years of experience and wide technological potential.
- We are flexible - we offer a range of products that allows for optimal selection in relation to user's needs. We provide our partners with support adjusted to the individual needs of the local market.

content

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

KOSPEL 30 1990-2020

HISTORY

1990

Establishment of Koszalin Electronic Company KOSPEL. The first registered office by Szczecińska street.

1998

The move to newly built office and production building by Olchowa 1 street.

2005

Start of production in the facility by Bowid 24 street.

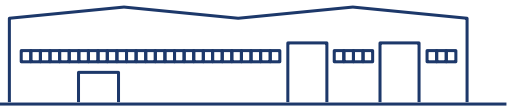
2007

The purchase of production facility in Damnica by Słupsk. Start of domestic hot water cylinders production.

2012

Purchase of production halls and warehouses in Karlino.

2020



Completion of the construction of a modern production hall in Koszalin with the area of approximately 15.000 square meters.

Electric instantaneous water heaters

Single-phase and three-phase - depending on your needs and the type of installation

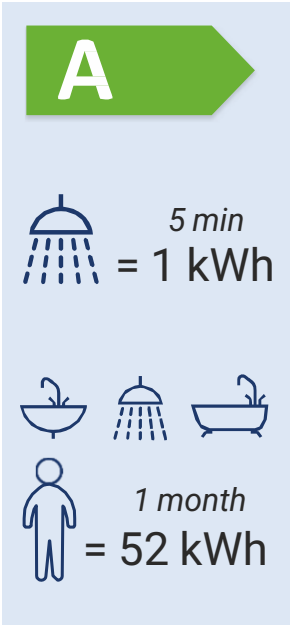
Advantages:

- energy consumption only at the time of use
- no energy loss resulting from storage of hot water in tank
- energy efficiency class A
- small, compact size allows easy installation near the water outlet (higher water efficiency)
- users are not limited to the hot water stored in the tank - they can produce an endless amount of hot water on demand
- they do not require an additional gas connection or chimney
- easy to install
- safe in operation
- no risk of pollution
- no risk of explosion or carbon monoxide poisoning


45°C

Electric instantaneous water heaters - worth to know

Savings



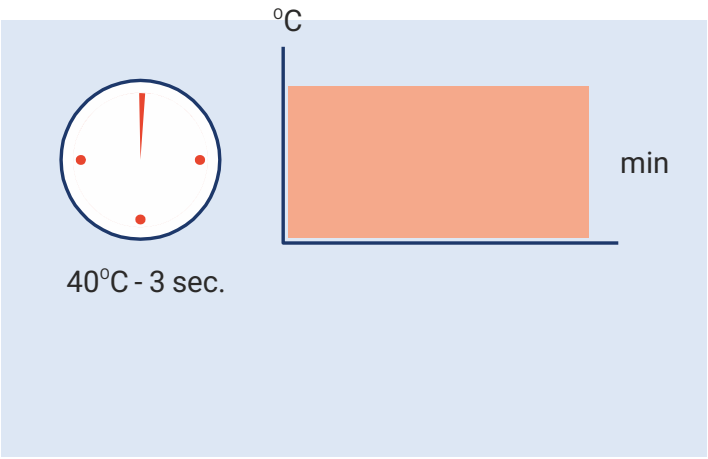
Electric instantaneous water heaters offer an energy efficient way to heat water - water is heated only when hot water tap is turned on, which ensures low heat losses and low electricity consumption.

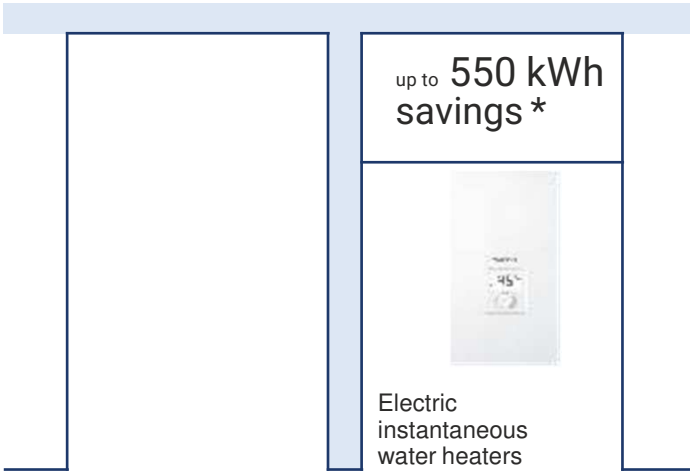
During 5 min. shower, electric instantaneous water heater uses around 1kW.

Estimated use of electricity during the heating of water for 1 person is around 52kWh.

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.



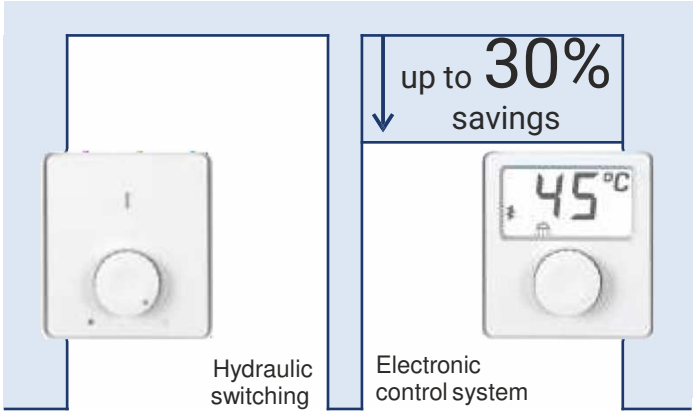


Safety

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

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.



Low installation cost

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

Power selection of electric instantaneous water heaters

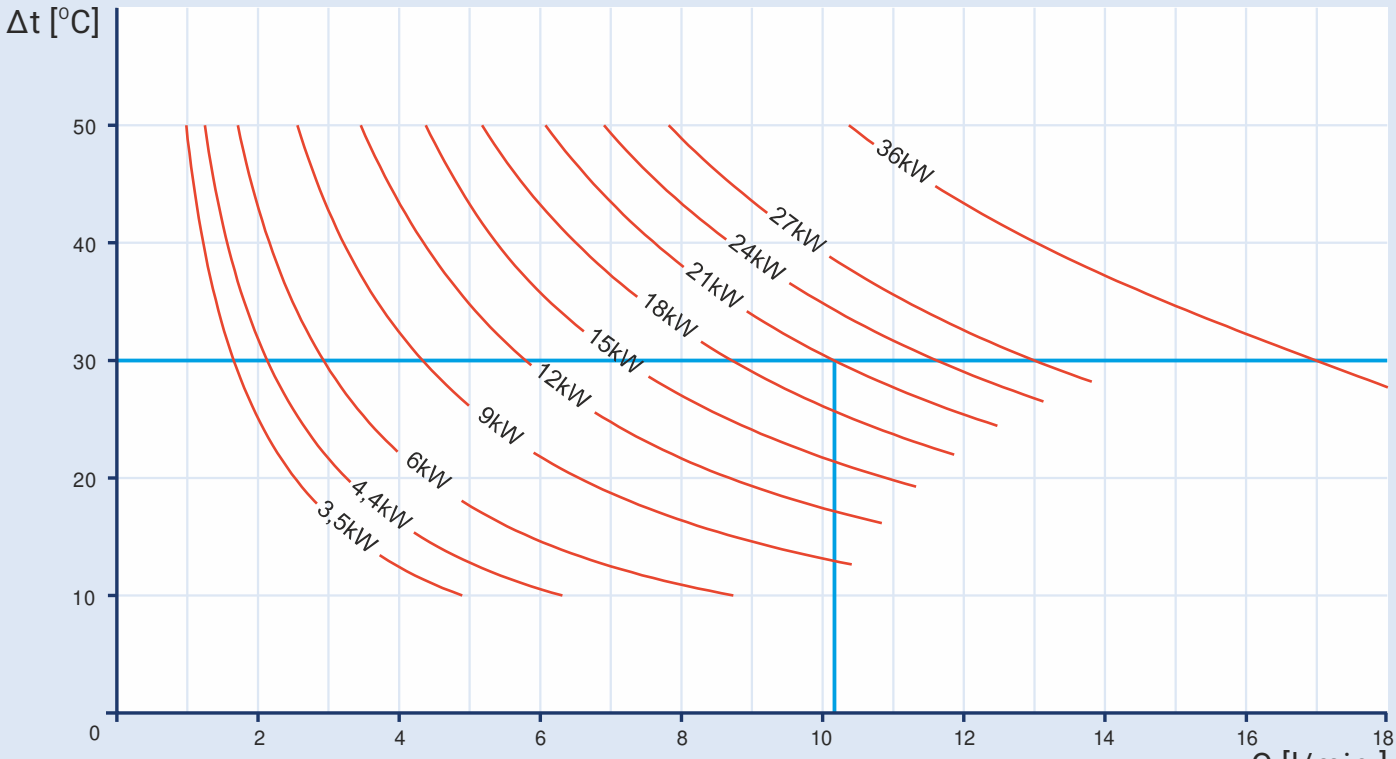
from 3,5kW

from 5,5kW

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

from 18kW

Performance characteristics of electric instantaneous water heaters



Graph shows the performance characteristics in order to the increase of water temperature.

Fine-stream spray head

Guarantees comfortable use and savings up to 50%.

Magnetic descaler

Magnetic descaler extends the life of water appliances and water piping systems.
It eliminates limescale from water appliances and dishes. Preserves mineral content of drinking water.

Electric instantaneous water heaters

EPS2

IP25

A

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

EPS2.P

IP25

A

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

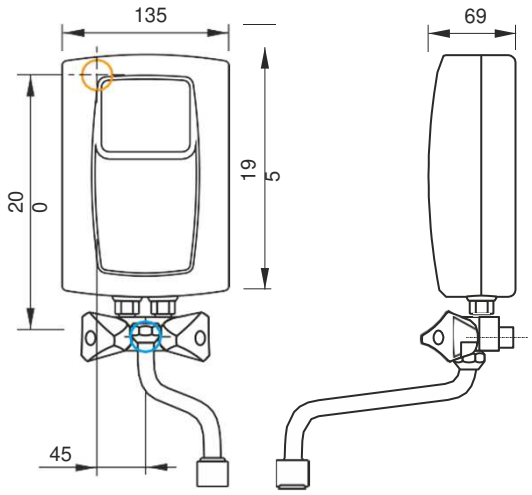
Fine-stream spray head

- 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

Technical data

Type	Rated power / Rated voltage	Supply water pressure (MPa)	Rated current (A)	Min. connecting wires section (mm²)	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

Compact heater ideal for washbasin or sink.

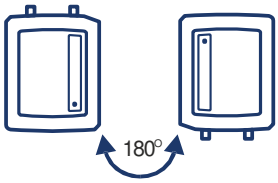
Application

from 3,5kW | from 5,5kW | from 4,4kW

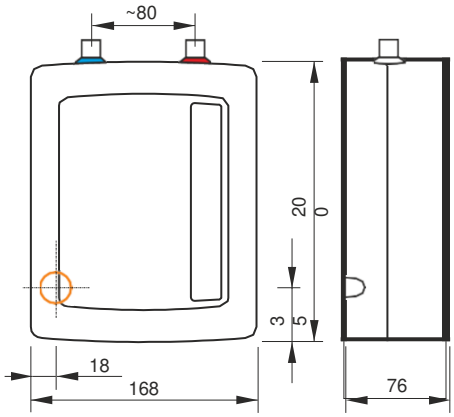
Most important advantages

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



Inlet and outlet section:
EPO2 Gz 3/8"

- 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^2)	Efficiency ($\Delta t=30^\circ$) (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	6,0 kW / 230V~	0,12 - 0,6	26,1	3 x 4	2,9

EPME electronic LCD

IP25

A

Electronically controlled heater with LCD display at the best price.

Application

Most important advantages

LCD display
- the inlet and outlet temperature
- the water flow rate
- power with which the unit currently heats

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

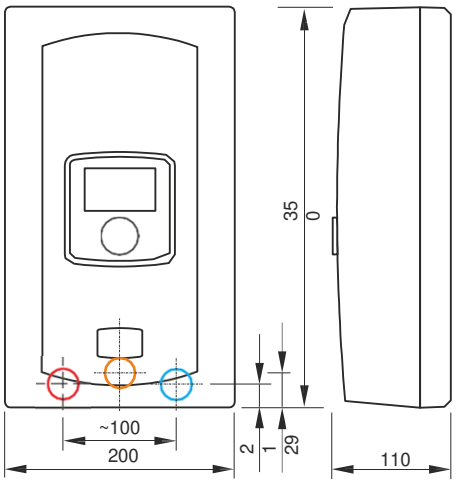
Copper shielded heating elements
- reliable technology
- long life operation and resistance to water decay and air bubbles

The possibility to re-heat already pre-heated water
- inlet water temperature up to 60°C

Temperature lock
- allows the user to save the maximum temperature
- in order to protect children against burn injuries

Memory of three most commonly used 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^2)	Efficiency ($\Delta t=30^{\circ}$) (l/min.)
EPME-5,5-9,0*	5,5-9,0 kW / 230V ~	0,1 - 0,6	24,0-39,3*	3 x 2,5 - 3 x 6*	2,7 - 4,3*

* 8 powers in one heater. At the first start-up, the maximum power must be set. Parameters of the electrical installation must comply with the selected power.

KDE3 electronic

IP25

A

Electronically controlled heater.

Application

from 9kW | from 12kW | from 18kW

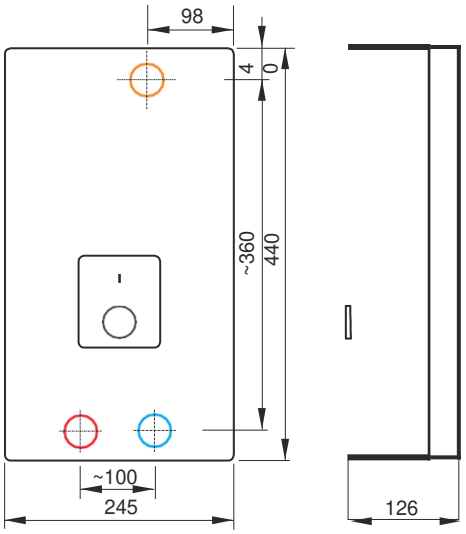
Most important advantages

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



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^2)	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

KDE5 electronic LCD

IP25

A

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)

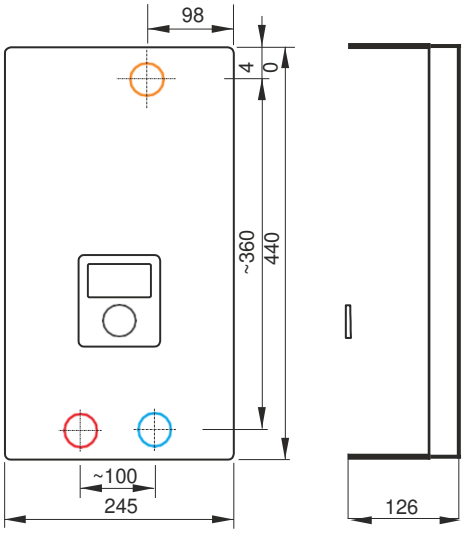
4 powers in 1 heater
- allows the user to select desired power level (not applicable for 27kW)

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^2)	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

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

Electric storage water heaters

Advantages:

- the cheapest and easiest solution to install
- no additional gas connection or chimney required
- easy connection to the electrical installation 230V
- safe in operation
- no risk of pollution
- no risk of explosion or carbon monoxide poisoning

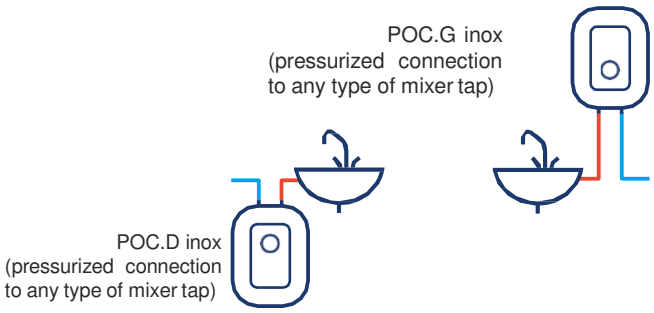
POC 10 inox

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

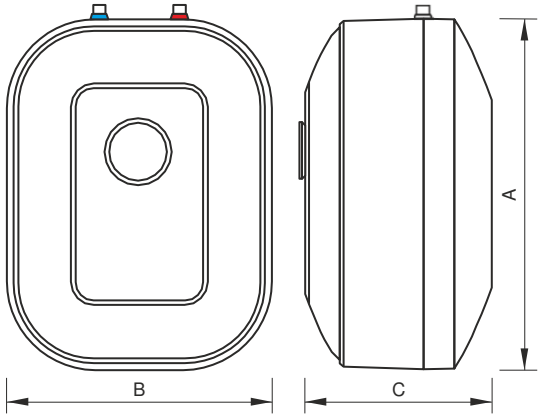
Comfortable temperature control
- smooth temperature range from 23-70°C

POC 5 inox

IP24

A

Dimensions



Inlet and outlet section Gz 1/2"

cold water inlet

hot water inlet

Type	A	B	C
POC-5	427	285	163
POC-10	470	329	239

Technical data

Type	Rated power / Rated voltage	Max supply water pressure (MPa)	Capacity (l)	Heating time Δt = 30°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

Storage water heaters accessories

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

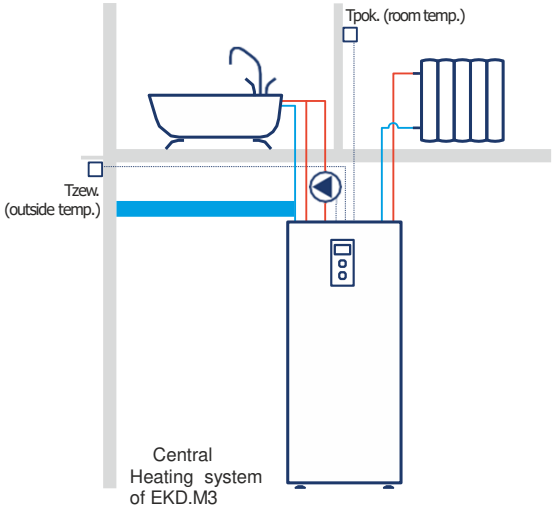
Electric central heating flow boilers

Advantages:

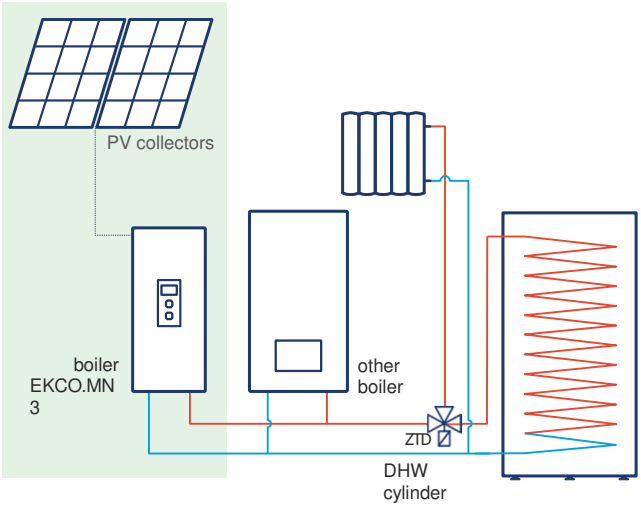
- comfortable source of heating at your home
- safe and clean in service
- eco-friendly source of heating, perfect to the co-operation with photovoltaics
- does not require gas connection
- perfect solution for energy-saving constructions
- does not require chimney, boiler room nor solid fuel storage
- weather control ensures high comfort of use and maintenance-free operation
- are widely used to support heating systems based on fireplace or solid fuel heat source
- with low operation running costs, electric boilers provide higher comfort of heating and guarantee anti-freezing temperature during absence of the users
- combine compact size with esthetic design and may be easily mounted in the most convenient place

Modern electric heating

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



Free energy from PV installation

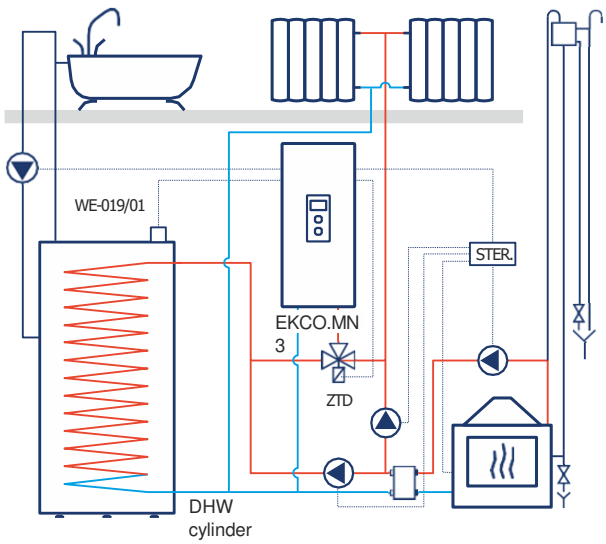


Electric boiler is a device which can be used for current central heating system. Electric boiler in connection to PV installation ensures using free energy.

High operation comfort

Electric boiler may co-operate parallely 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.

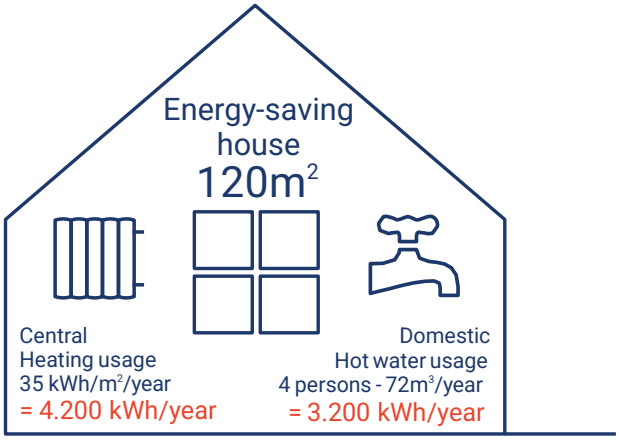
Graph shows the co-operation of electric boiler with water jacket fireplace or with solid fuel boiler. Such compilation ensures low maintenance costs combined with high usage comfort.

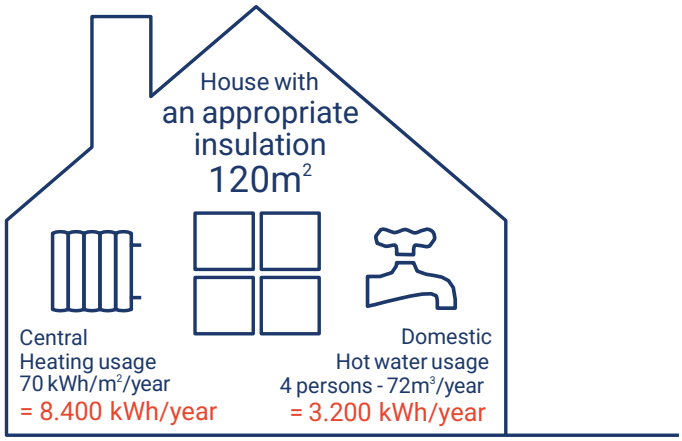


Costs of electric heating

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 120m^2. For the calculation, it was adopted the using of 1,5m^3 domestic hot water per 1 person.





EKCO.LN3
EKCO.L3

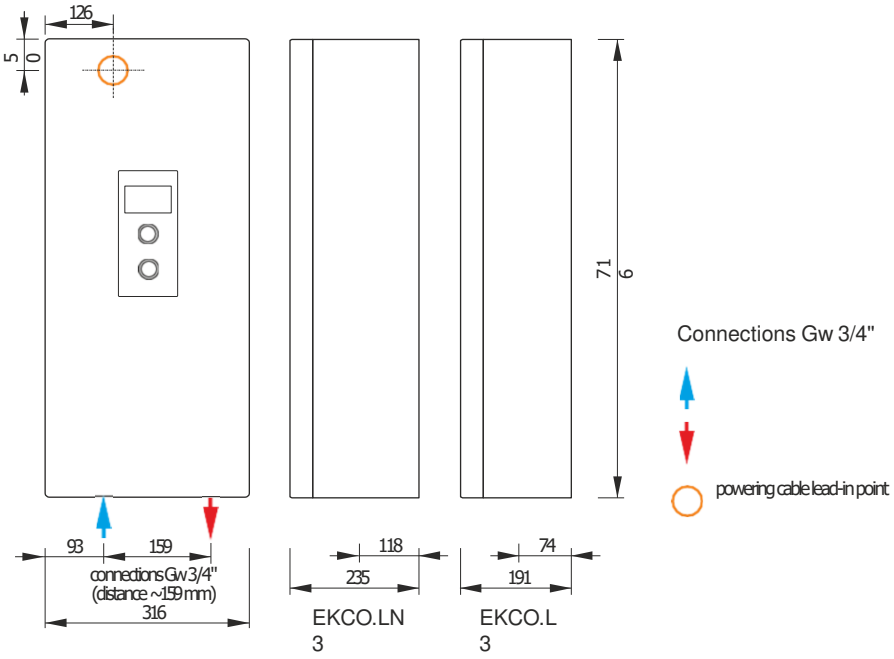
D

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 (mm²)
EKCO.LN3 - 04/06/08	2/4/6/8 kW	230V~	17,4/26,1/34,8	3 x 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 (mm²)
EKCO.L3 - 04/06/08	2/4/6/8 kW	230V~	17,4/26,1/34,8	3 x 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.

EKCO.MN3
EKCO.M3

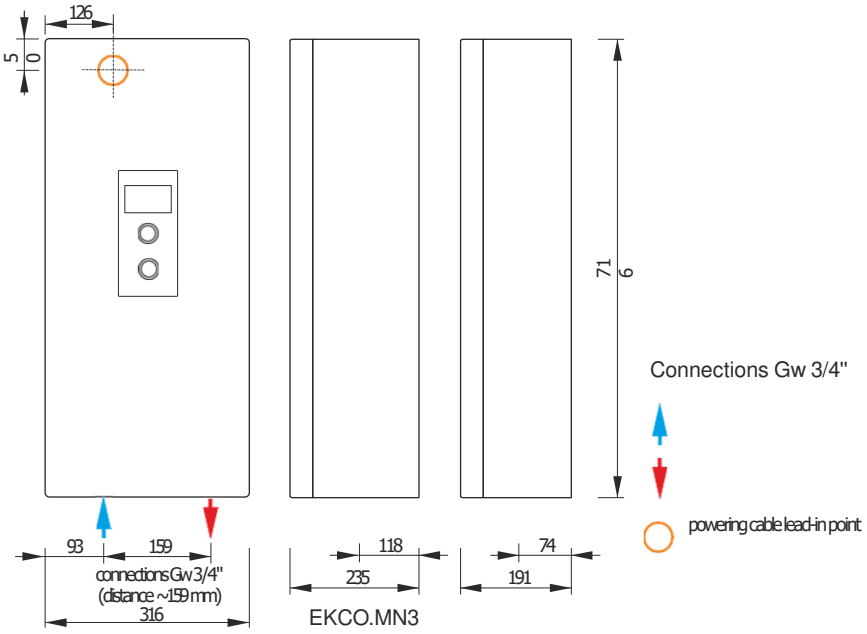
D

Boilers with weather compensation.

Most important advantages

- Weather compensation with the function of automatic reaction to temperature changes external ensures the most energy-efficient operation of the boiler
- The possibility of programming room temperature daily and weekly
- The possibility of water temperature control and turning-on circulation pump in accordance with the set daily and weekly programs
- The co-operation with any installation and a hot water cylinder
- Equipped with a circulation pump and an expansion vessel - 5 liters (EKCO.MN3)

Dimensions



Technical data

EKCO.MN3 - model - with an expansion vessel

Type	Rated power	Rated voltage	Rated electrical energy demand (A)	Minimal wires cross-section (mm^2)
EKCO.MN3 - 04/06/08	2/4/6/8 kW	230V~	17,4/26,1/34,8	3 x 2,5/4/6
		400V 3~	5,8/8,7/11,6	5 x 2,5/2,5/2,5
EKCO.MN3 - 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.M3 - model - with no expansion vessel

Type	Rated power	Rated voltage	Rated electrical energy demand (A)	Minimal wires cross-section (mm^2)
EKCO.M3 - 04/06/08	2/4/6/8 kW	230V~	17,4/26,1/34,8	3 x 2,5/4/6
		400V 3~	5,8/8,7/11,6	5 x 2,5/2,5/2,5
EKCO.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

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

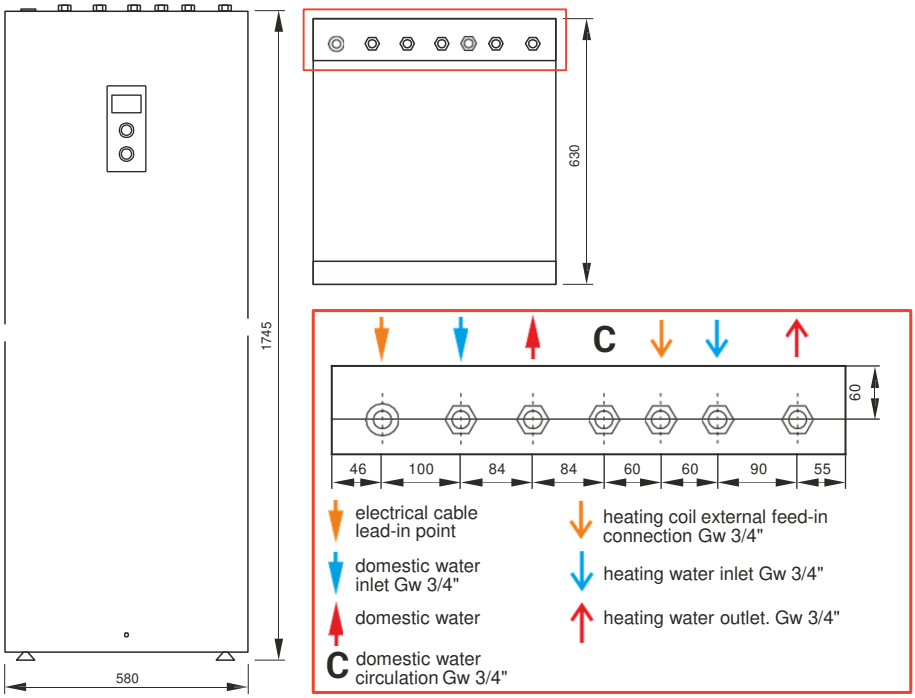
EKD.M3

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 (mm²)	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	3 x 2,5/4/6	107/72/54	AMW.660
		400V 3~	5,8/8,7/11,6	5 x 2,5/2,5/2,5		
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

EKCO.T
EKCO.TM

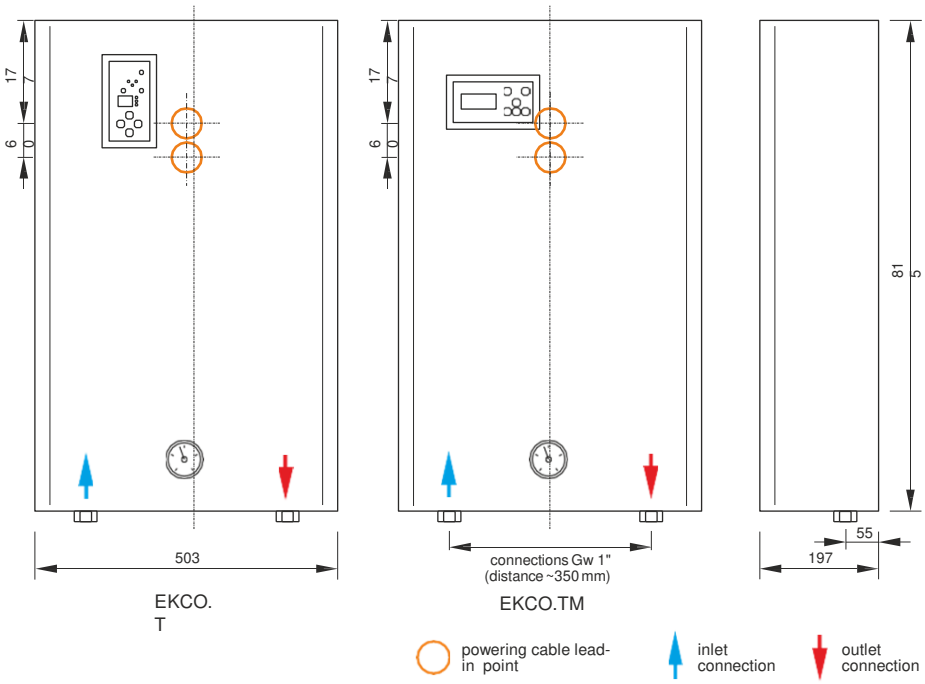
D

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)
- Temperatre range available: from 40°C do 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 (mm²)
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 (mm²)
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 three-wa 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)

Domestic hot water cylinders

Advantages:

- automation provides full repeatibility of the process and high precision
- traditional wet enamelling technology improves the quality of enamel coat and ensures long-lasting cylinder operation
- tanks are made of a high quality steel purchased from our verified suppliers
- each device undergo 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


KOSPEL

Vertical hot water cylinders

SWK

A

Cylinders with 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 technology production

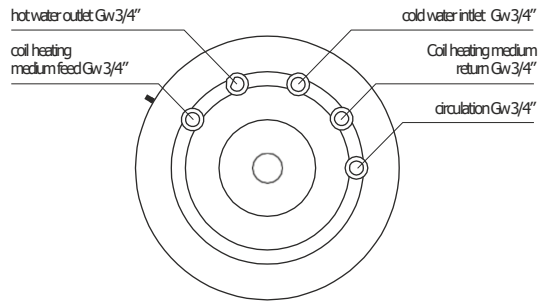
- automation provides full repeatibility of the process and high precision
- evenly applied layer of enamel with optimal thickness creates the highest quality protection against corrosion

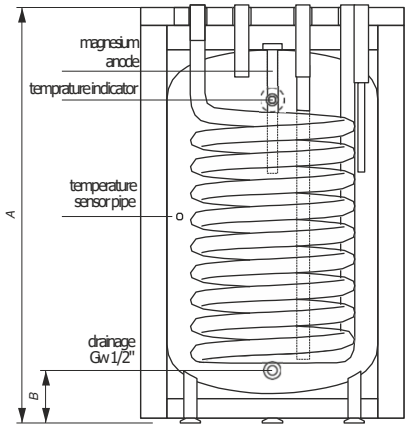
Unbeatable quality

- products are made of the steel grades selected by our verified suppliers
- each device undergo 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^2)	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^3/h.

*** Insulation: R- to be dismounted, NR- not to be dismounted.

**** 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.

Most important advantages

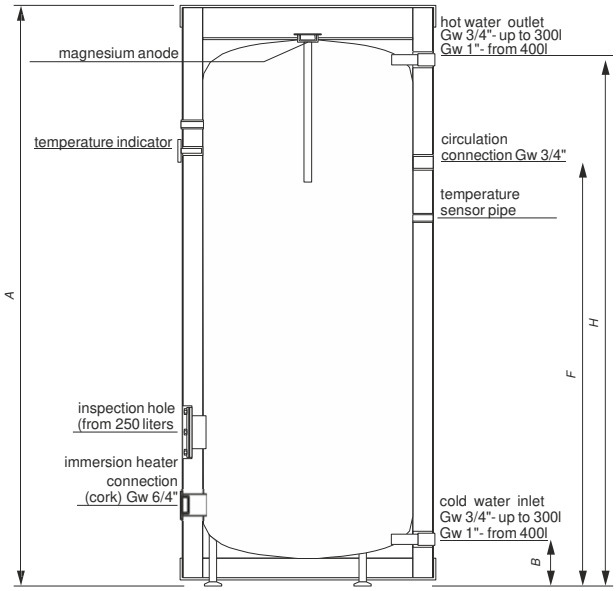
Advanced technology production
- automation provides full repeatibility of the process and high precision
- evenly applied layer of enamel with optimal thickness creates the highest quality protection against corrosion

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

High quality thermal insulation and aesthetic 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

type SE



	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 (MPa)	Thickness / material / type of insulation (mm)***	Anode type
SE-140	140	0,6	65/PUR/NR	AMW.400
SE-200	210	0,6	65/PUR/NR	AMW.M8.450
SE-250	255	0,6	67/EPS/R	AMW.M8.450
SE-300	305	0,6	67/EPS/R	AMW.M8.450
SE-400	380	0,6	72/EPS/R	AMW.M8.450
SE-500	485	0,6	72/EPS/R	AMW.M8.400

** Following parameters 80/10/45 C – (heating water temp./feed water temp./domesticwater temp.), flow rate of heating water through the coil 2,5 m3 /h.
*** Insulation: R- emovable, NR- not removable.

Jacket cylinder vertical- horizontal

SP 180

C

Water jacket cylinders with a very large heating surface that can be mounted in vertical or horizontal position.

Most important advantages

High power and efficiency

- thanks to tank construction it is characterised with the largest surface of heat transfer
- SP-180 cylinder provides 30% more power and efficiency compared to 200 liters traditional cylinder with a heating coil
- it ensures higher comfort of use and faster hot water production than in 200l cylinder with coil

Vertical and horizontal installation

- special construction of cylinder and mounting bracket enable mounting the cylinder in vertical or horizontal position (standing or hanging)
- additional hangers should be used

Corrugated walls technology

- corrugated walls additionally enlarge heating surface
- possibility to install cylinders in closed systems (with jacket rated pressure 0,3 MPa)

Advanced technology production

- welding and enamelling are the key factors in cylinder production process.
- automation provides full repeatibility of the process and high precision
- evenly applied layer of enamel with optimal thickness creates the highest quality protection against corrosion

Unbeatable quality

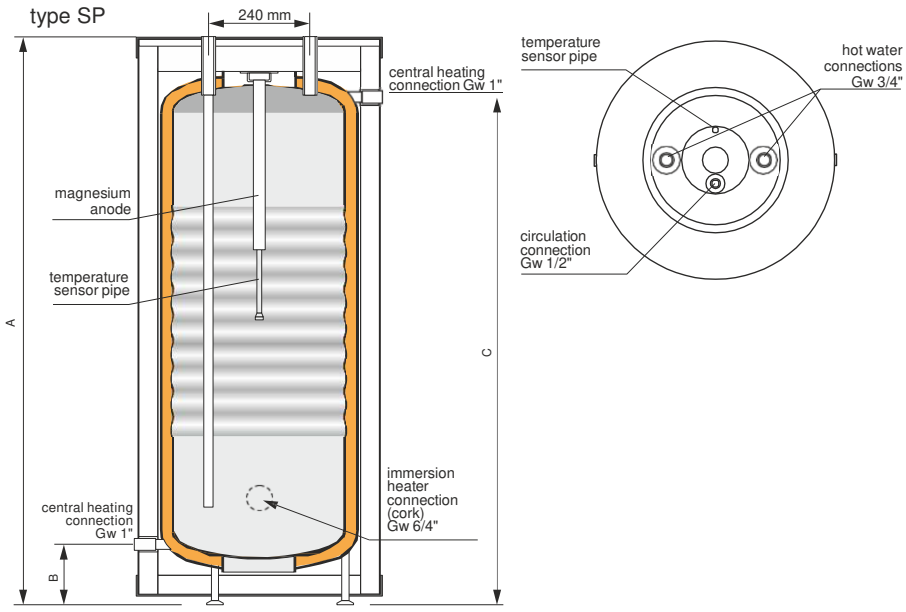
- products are made of the steel grades selected by our verified suppliers
- each device undergo leakage tests and coating checks quality control

Additional equipment

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

SP-180 hangers enable horizontal and vertical mounting.

Dimensions



	Diameter (mm)	A (mm)	B (mm)	C (mm)
SP-180	595	1500	132	1364

Technical data

Type	Storage capacity total / DHW / CH (l)	Surface of heat transfer (m^2)	Rated pressure (cylinder / coil) (MPa)	Cylinder power ** (kW)	Thickness / material / type of insulation *** (mm)	Stand-by losses **** (W)	Anode type
SP-180	183 / 140 / 43	1,6	0,6 / 0,3	48	62/EPS/R	76	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^3/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

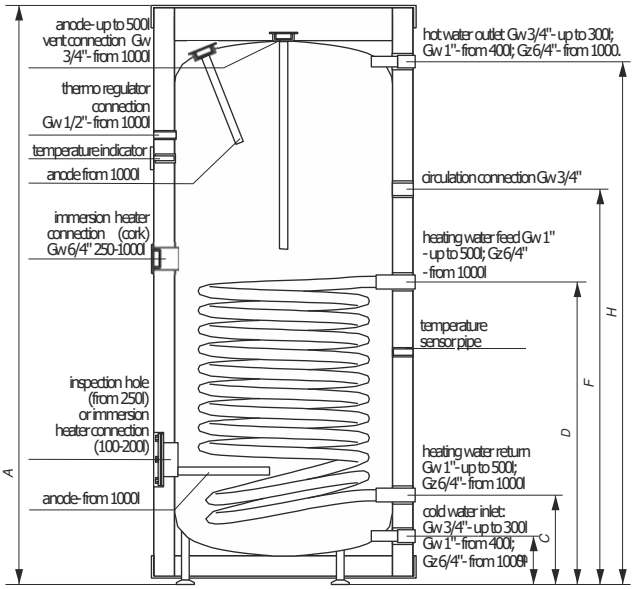
Advanced technology production

- automation provides full repeatibility 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 undergo 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)
SW-100	500	1195	111	214	727	-	817	-	1064
SW-120	500	1365	111	214	851	-	916	-	1235
SW-140	500	1435	111	214	851	-	916	-	1305
SW-200	595	1610	127	258	813	-	903	-	1464
SW-250	695	1380	127	241	740	-	841	-	1230
SW-300	695	1615	127	241	852	-	953	-	1464
SW-400	755	1660	125	254	856	-	986	-	1490
SW-500	854	1800	136	266	990	-	1220	-	1584
SW-1000	1010	2002	81,5	272	987	-	1274	-	1846

Technical data

Type	Capacity (l)	Surface area of heat exchange (m^2)	Rated pressure (cylinder / coil) (MPa)	Power of cylinder** (kW)	Power of cylinder *** (mm)	Thickness / material/ type of insulation **** (W)	Anode type
SW-100	105	0,8	0,6 / 1,0	24	65 / PUR / NR	65	AMW.660
SW-120	124	1,0	0,6 / 1,0	30	65 / PUR / NR	72	AMW.800
SW-140	134	1,0	0,6 / 1,0	30	65 / PUR / NR	67	AMW.800
SW-200	204	1,1	0,6 / 1,0	32	65 / PUR / NR	48	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-400	375	1,7	0,6 / 1,0	50	72 / EPS / R	101	AMW.M8.500
SW-500	465	2,25	0,6 / 1,0	65	72 / EPS / R	82	AMW.M8.500
SW-1000	939	3,45	0,8 / 0,6	89	80 / NEODUL / R	143	AMW.570 + AMW.760

** 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^3/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

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

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 in all capacities and GRW-6.0 kW/400V in capacities from 250l.

Most important advantages

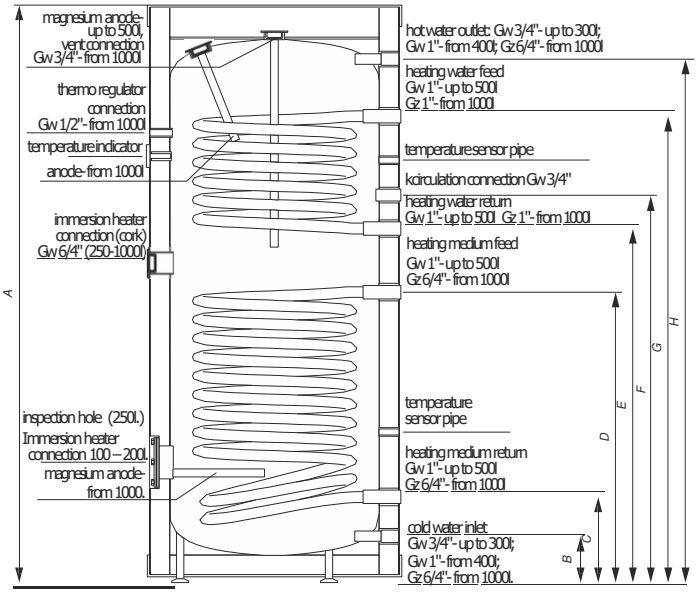
Advanced technology production

- automation provides full repeatibility 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 undergo 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)
SB-200	595	1610	127	258	813	903	993	1290	1464
SB-250	695	1380	127	241	628	747	837	1079	1230
SB-300	695	1615	127	241	852	981	1071	1313	1464
SB-400	755	1660	125	254	856	986	1076	1319	1490
SB-500	854	1800	136	266	990	1115	1220	1448	1584
SB-1000	1010	2002	81,5	272	987	1174	1274	1475	1847

Technical data

Type	Storage (l)	Surface area of coil lower / upper (m^2)	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	48	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-400	366	1,7 / 0,9	0,6 / 1,0	50 / 27	72/EPS/R	98	AMW.M8.500
SB-500	455	2,25 / 1,04	0,6 / 1,0	65 / 30	72/EPS/R	84	AMW.M8.590
SB-1000	932	3,45 / 1,31	0,8 / 0,6	89 / 38	80/NEODUL/R	143	AMW.570 + AMW.760

** 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^3/h.

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

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

Vertical hot water cylinders

SWP/SWPC

B
SWP 200 l.

C

HEAT PUMP READY

Cylinders with very big heating coil. Perfect in co-operation with heat pump.

Most important advantages

Advanced technology production

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

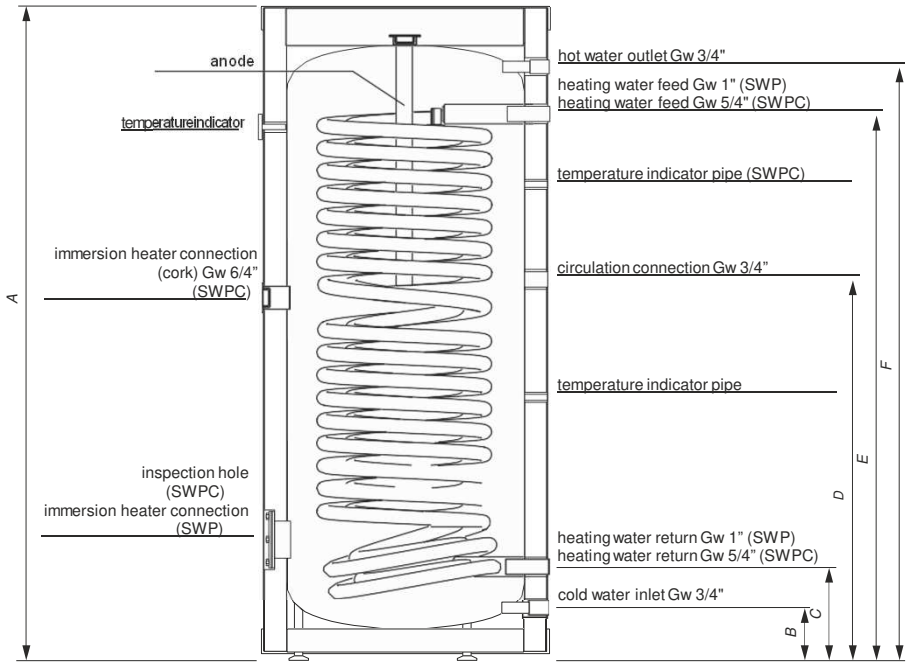
Unbeatable quality

- Products are made of the steel grades selected by our verified suppliers
- Each device undergoes coating and leakage quality control

Heating coil with very large surface area

- Heating coil's surface:
  - 2,1 m² - SWP-200
  - 2,6 m² - SWP-300
  - 4,22 m² - SWPC-300 – double coil
- Heat pump compatible

Dimensions



	Diameter (mm)	A (mm)	B (mm)	C (mm)	D (mm)	E (mm)	F (mm)
SWP-200	595	1610	127	258	993	1290	464
SWP-300	695	1615	127	241	1071	1313	1464
SWPC-300	695	1615	127	237	953	1354	1464

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
(all models)
GRW-6,0kW/400V (SWP-300)
Flansza.GRW – flange plug with the connection for immersion heater, max. rated power - 4,5kW (SWPC)

Technical data

Type	Capacity (l)	Surface area of coil (m²)	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	295	2,6	0,6 / 1,0	70 / 21	67/EPS/R	96	AMW.M8.500
SWPC-300	275	4,22	0,6 / 1,0	120 / 36	67/EPS/R	96	AMW.M8.590

** Following parameteres 80/10/45°C / 55/10/45°C (heating water temp. / feed water temp. / DHW temp.), flow rate of heating water through the coil2,5 m³/h.

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

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

Vertical hot water cylinders with CH buffer

SWVPC

Cylinders with large heating coil.
Perfect for co-operation with the heat pump.

Most important advantages

Compact size
- space saved in the boiler room due to the combination of DHW cylinder and CH buffer in one piece

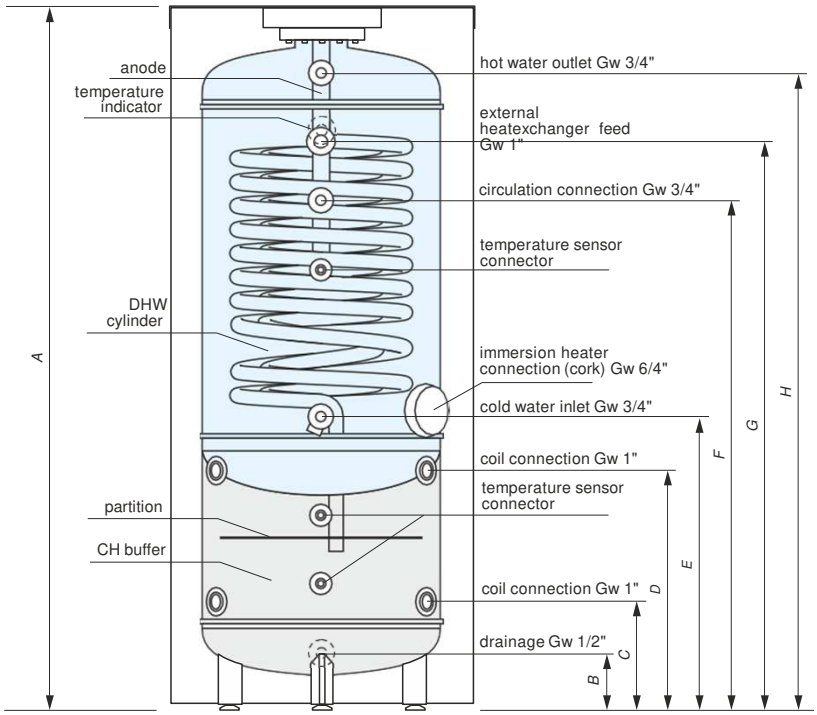
Large heat transfer area
- large heat transfer area enables cooperation with the heat pump

Elimination of cold zone in the tank
- by heating the domestic hot water tank starting from the bottom is heated full tank capacity

Easy installation
- modern design and combination of heating coil with the buffer tank allows for easier connection to the installation

Partition in the buffer tank
- the partition prevents mixing of hot water feeding the CH system and cold water returning from the system

Dimensions



	Diameter (mm)	A (mm)	B (mm)	C (mm)	D (mm)	E (mm)	F (mm)	G (mm)	H (mm)
SWVPC-200/100	695	1610	127	231	530	644	1156	1299	1454

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 full / DHW / CH / c.o. (l)	Surface area of heat transfer (m^2)	Rated pressure (DHW cylinder / CH buffer) (MPa)	Power of cylinder** (kW)	Thickness / insulation material (mm)***	Stand-by losses (W)****	Anode type
SWVPC-200/100	308/201/107	2,6	0,6 / 0,3	70	67/PUR/NR	56	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^3/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

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

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

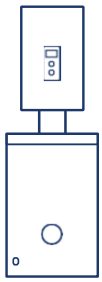
- A class 65mm insulation, made of polyurethane foam
- esthetic design and resistance to mechanical damage as cylinder's casing is made out of solid ABS material

Unbeatable quality

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

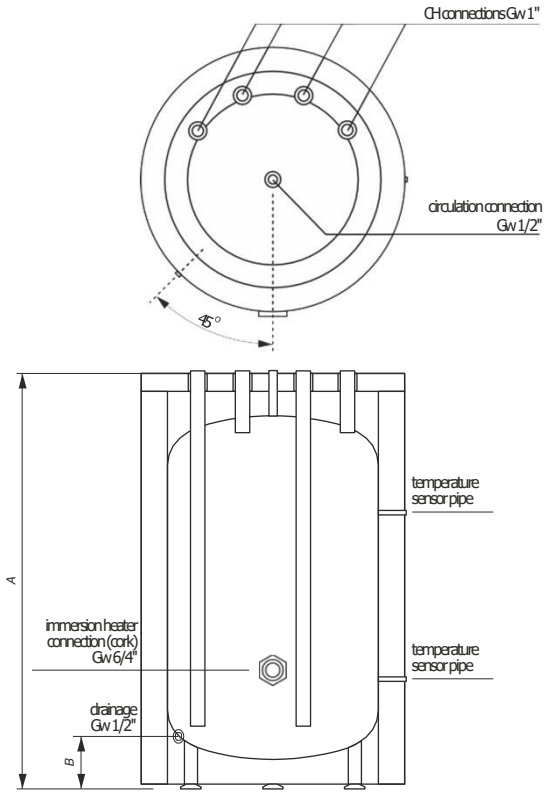
Easy installation

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



Dimensions

model SVK



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

Technical data

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

* Insulation: R - removable, NR – not removable

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

CH buffer tanks, not enamelled

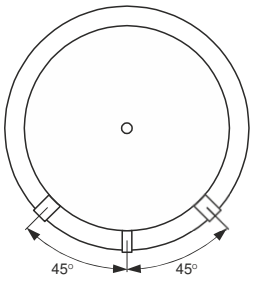
SV/SVW

B
200 liters

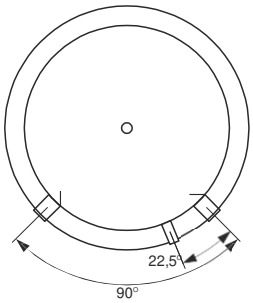
C
Other capacities

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

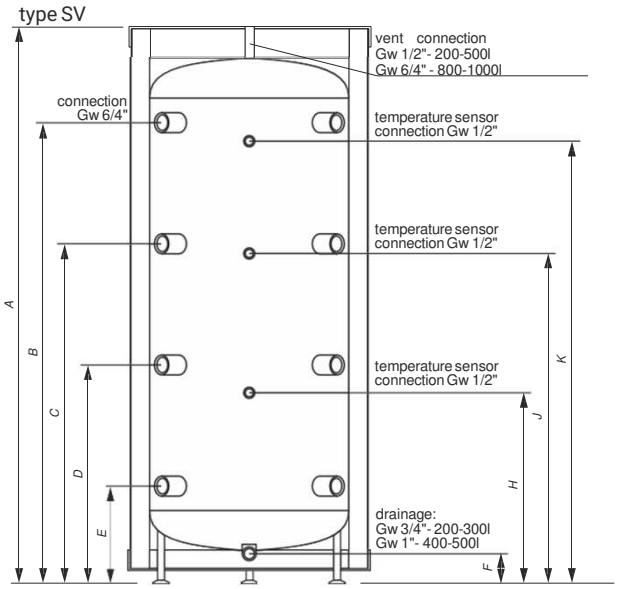
Dimensions

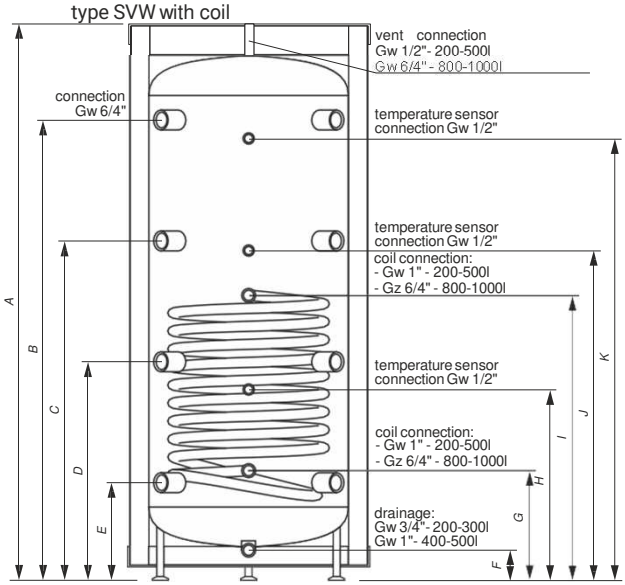


SV/SVW 200-500l



SV/SVW 800-1000l





	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	692	1596	1338	973	611	249	126	-	544	-	940	1249
SV-400	755	1643	1368	996	626	256	124	-	550	-	947	1278
SV-500	854	1761	1446	1051	656	261	130	-	629	-	1064	1379
SV-1000	950	2132	1774	1280	815	340	-	-	581	-	1303	1774
SVW-200	595	1616	1322	970	618	266	125	256	554	811	911	1239
SVW-300	692	1596	1338	973	611	249	126	239	544	850	940	1249
SVW-400	755	1643	1368	996	626	256	124	246	550	856	947	1278
SVW-500	854	1761	1446	1051	656	261	130	251	629	974	1064	1379
SVW-1000	950	2132	1774	1303	832	360	-	360	581	1186	1303	1774

Technical data

Type	Capacity (l)	Surface area of coil (m^2)	Rated pressure (cylinder / coil) (MPa)	Thickness/insulation material*** (mm)	Stand- by losses** (W)
SV-200	210	-	0,6 / -	65/PUR/NR	54
SV-300	307	-	0,6 / -	67/EPS/R	92
SV-400	380	-	0,6 / -	72/EPS/R	94
SV-500	485	-	0,6 / -	72/EPS/R	83
SV-1000	902	-	0,3 / -	80/NEODUL/R	136
SVW-200	204	0,75	0,6 / 1,0	65/PUR/NR	54
SVW-300	300	1,5	0,6 / 1,0	67/EPS/R	96
SVW-400	375	1,7	0,6 / 1,0	72/EPS/R	98
SVW-500	465	2,25	0,6 / 1,0	72/EPS/R	82
SVW-1000	866	3,45	0,3 / 0,6	80/NEODUL/R	136

** In line with EU Commission resolution no. 812/2013, 814/2013.
*** Insulation: R- removable, NR- not removable.

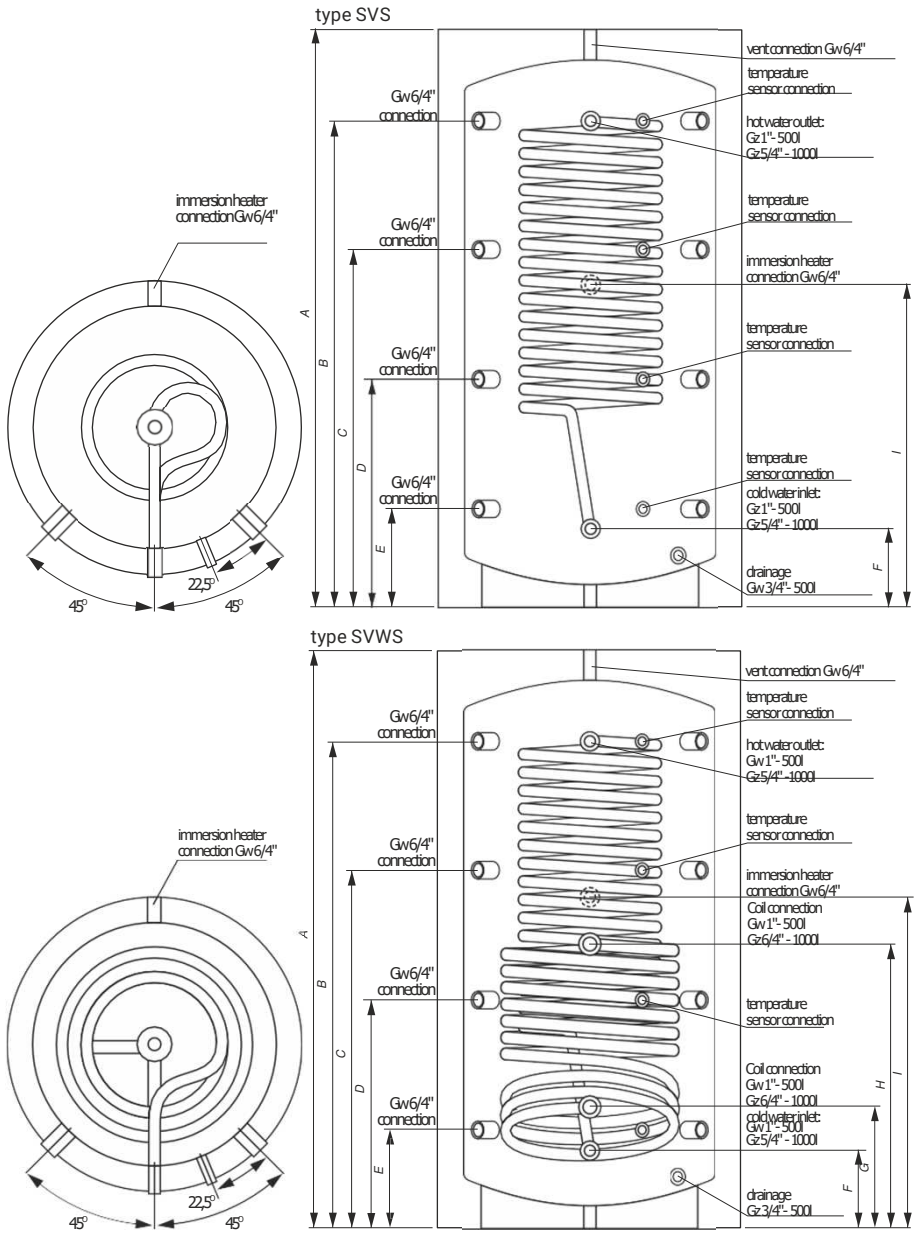
Heat allocation cylinder

SVS/SVWS

C

Connection of CH buffer tank with domestic water heating through stainless steel coil for DHW.

Dimensions



	Diameter (mm)	A (mm)	B (mm)	C (mm)	D (mm)	E (mm)	F (mm)	G (mm)	H (mm)	I (mm)
SVS-500	750	1677	1450	1040	624	212	212	-	-	820
SVS-1000	950	2132	1775	1304	833	362	290	-	-	1090
SVWS-500	750	1677	1450	1040	624	212	212	307	780	820
SVWS-1000	950	2132	1775	1304	833	362	290	412	966	1090

Technical data

Type	Capacity (l) buffer / DHW coil (l)	Surface area (m2) stainless steel coil DHW / steel (m^2)	Rated pressure (cylinder/ DHW coil/ steel coil) (MPa)	Thickness/ insulation material ** (mm)	Stand-by losses *** (W)
SVS-500	496/26/-	5,0/ -	0,3/0,6/-	50/PUR/NR	95
SVS-1000	902/28/-	5,5/ -	0,3/0,6/-	80/NEODUL/R	136
SVWS-500	496/26/10	5,0/1,65	0,3/0,6/1,0	50/PUR/NR	95
SVWS-1000	902/28/19	5,5/2,23	0,3/0,6/1,0	80/NEODUL/R	136

** Insulation: R- removable, NR- not removable.
*** In line with EU Commission resolution no. 812/2013, 814/2013.

Cylinder accessories

Item	Description
ANODA.AMW.400	Magnesium anode AMW 22x420 with cork 3/4"
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
FLANSZA.GRW	Flange plug of vertical standing cylinders from 250l to 500l with the connection for immersion heater Gw 6/4"
FLANSZA.GRW.800-1000	Flange plug for vertical standing cylinders from 800l to 1000l 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.SP-180	Cylinder hangers SP-180 (1 set - 2 pcs)

Magnetic descalers

MAG 1/2"
MAG 3/4"
MAG 1"

MAG 1/2"

MAG 3/4"

MAG
1"

Prevent pipe system from limescale build up. Free of maintenance, no operating costs.

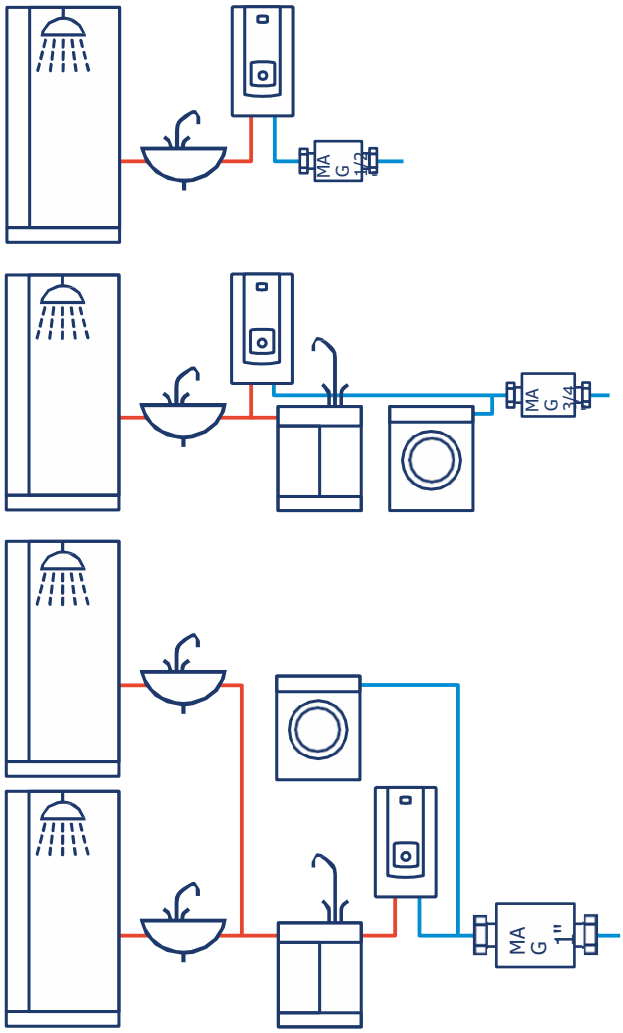
Most important advantages

Magnetic descaler works by applying electromagnetic field to the water. The electromagnetic field changes condition of water as it passes through the pipes. This prevents build-up of new limescale and removes the existing limescale.

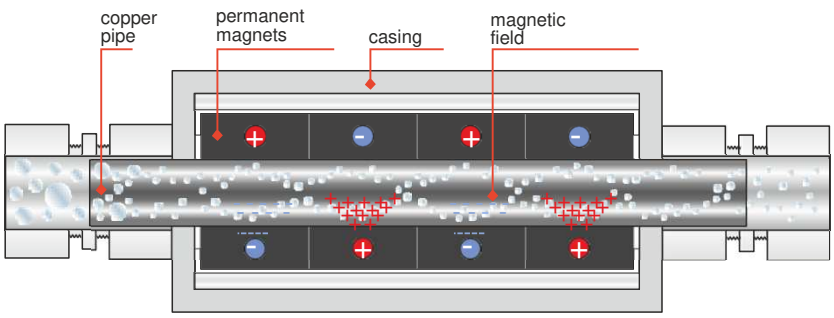
Advantages of using magnetic descalers:

- extends the life of water appliances and water piping systems
- eliminates limescale from water appliances and dishes
- preserves mineral content of drinking water

Application



Construction



Technical data

Type	Efficiency (l/h)	Dimensions (mm)
MAG 1/2"	600	81 x 41
MAG 3/4"	900	87 x 41
MAG 1"	1200	118 x 55

Heat pumps

Advantages:

- energy-efficient solution using renewable energy resources
- amount of gained heat energy is a few times higher than electrical energy used

DHW heat pump

HPSW-2/250

A+

Pump with 250l cylinder ideal for household. Additionally it enables water heating by built-in coil or immersion heater.

Most important advantages

Energy-saving exploitation
- the highest efficiency class in scale from A to F

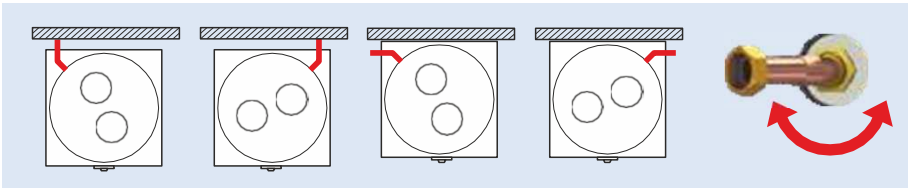
Easy installation in low spaces
- only 1,7 m height

Silent operation
- compressor and ventilator closed in tight capsule
- noise level is reduced to minimum

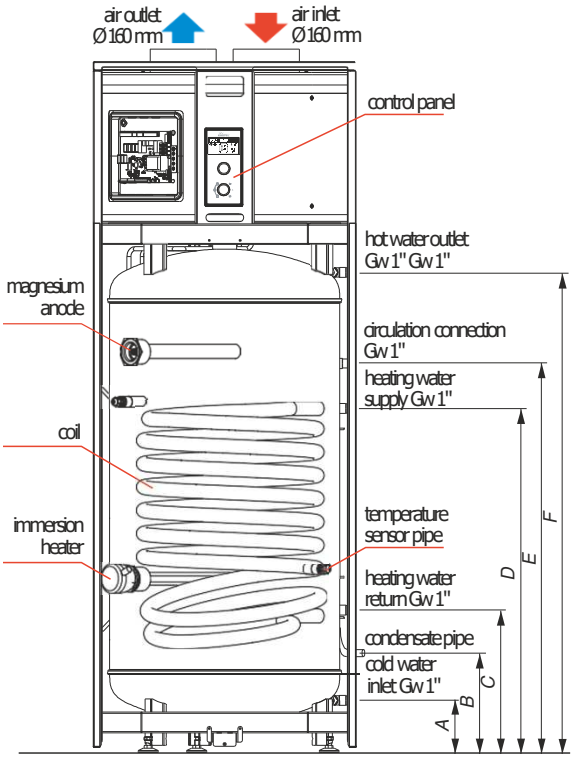
Multi-row evaporator- efficient and ecological solution
- large heat transfer surface and water heating with maximum efficiency
- requires low amount of refrigerant, which is important for environment protection

Advanced control system
- programming water temperature and time of work through control panel
- circulation pump navigation
- economic mode: compressor activation only and if needed boiler or immersion heater
- turbo mode: fast water heating while using all heat sources

Universal installation
- HPSW pump allows for change of connections location
- connections can be directed to the back of device, to the side, right or left



Dimensions



	A (mm)	B (mm)	C (mm)	D (mm)	E (mm)	F (mm)	dimensions (HxWxD)
HPSW-2/250	125,8	229,3	332,5	831,5	932,5	1160	1669x627x670

Water temperature regulation	°C	30-60 /70*
Min. air temp.	°C	5
Air flow	m³/h	300
Rated pressure (cylinder/coil)	MPa	0,6/1,0
Max. lenghth of air pipes (inlet + outlet, with diameter DN 160)	m	10
Level of accustic pressure (noise)	[dB]	44
Level of accustic power * by thermal disinfection	[dB]	52

Additional equipment

Type	Photo	Description
CZUJNIK WE-019/01		Temperature sensor in DHW cylinder

Technical data

Type	Rated power pump/pump + immersion heater (kW)	COP coefficient (in acc with PN-EN 16147)	Max. power consumption pump/ pump + immersion heater (kW)	Anode type	Capacity of hot water tank (l)	Coil's area (m^2)
HPSW-2/250	2,0 / 4,0	3,86 (A20/W15-45) 3,24 (A20/W10-55) 3,47 (A15/W15-45) 2,91 (A15/W10-55)	0,6 / 2,6	AMW.M8.450	250	1,2

KOSPEL

KOSPEL

KOSPEL S.A.
ul. Olchowa 1, 75-136
Koszalin
tel: +48 94 346 38 08
e-mail:
info.eng@kospel.pl
www.kospel.pl/en/