

# PLINTH CONVECTOR HEATERS

Models:

**KSW** WARM-WATER HEATING

**KSE** ELECTRIC HEATING

Plinth convector heaters are installed into cavities of furniture and housing structures. Particularly applications in kitchen units are effective. Heating is brought to most frequented places where placement of a radiator is not suitable for spatial or aesthetic reasons. It takes advantage of construction cavities, plinths, platforms, stairs.

## Advantages

- Space saving
- High thermal effect
- Comfortable control

## Applications

- Into kitchen units
- Into step
- Into construction cavity

## FUNCTIONAL PRINCIPLE

**KSW** plinth convector heater is connected into a warm-water heating system with forced circulation. Water runs through lamellar heat exchanger. The installed fan draws cold air and blows it into the exchanger. Air is warmed there by passing through the heat exchanger along lamella surfaces and then is returned to living space. A wall control enables operation in two power stages.

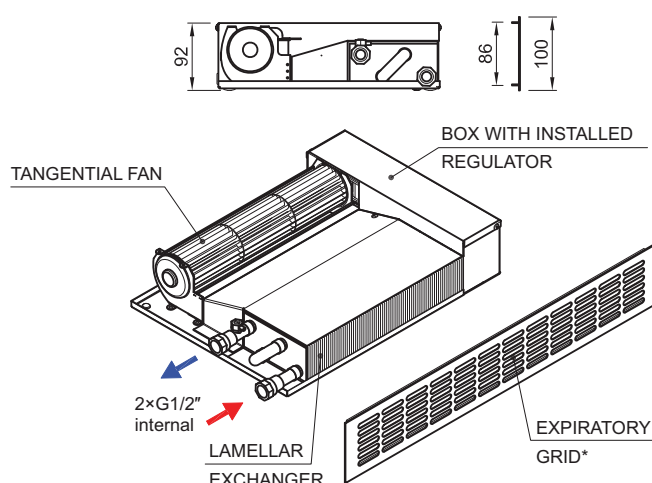
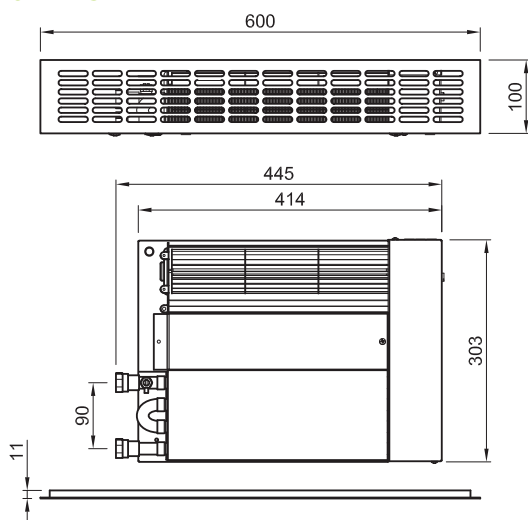
## BASIC DATA

Product specification	<b>KSW</b>
Dimensions l × w × h	445×303×92 mm
Heating output I / II	365 W/731 W
Max. fan input power	45 W
Connection of exchanger	2×G1/2" internal thread
Fan voltage	230V AC / 50Hz

## OPERATING CONDITIONS

Warm-water heating system	with forced circulation
Max. operating temperature	110 °C
Max. operating overpressure	1 MPa (10 bar)
Electric protection	IP20, dry environment

## SKETCH



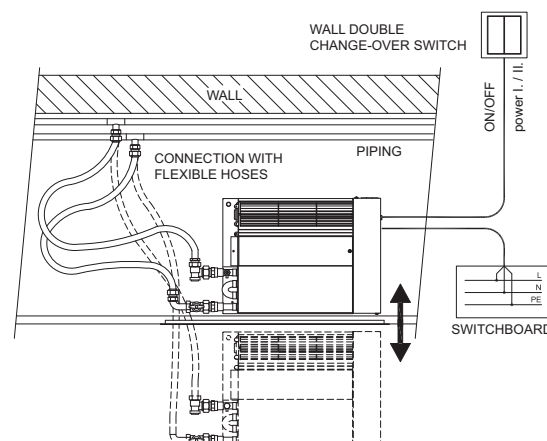
## CONTROL



Double rocker-type change over switch is the part of the convector. It enables operation of the convector heater with two revolution stages, according to relevant heating demand. The change-over switch is connected with the convector heater with a three-core cable.

## INSTALLATION

- it is installed into a plinth of a minimum height of 100 mm and a length of 600 mm
- there is a ball valve installed at the inlet and a regulating screw fitting at the outlet
- it is connected to the warm-water heating circuit with flexible hoses
- (length according to installation 600–800 mm), attention should be paid to enough space for bend with insertion
- after connecting and deaerating a pressure test is carried out
- cabling is led to the place of the change-over switch according to the attached electric diagram (three-core cable)
- the change-over switch is installed on a wall and connected with cabling
- after connection inspection, it is connected to power supply (installed supply cable with a male plug, length 2 m)
- install aluminium front grill



\* description of grill you can find on the back side of the leaflet

## FUNCTIONAL PRINCIPLE

**KSE** plinth convector heater is equipped with a tangential fan with an electric heating spiral. Air is drawn into a fan rotor and blown through a spiral winding into the room. Two power stages can be chosen by a wireless wall controller according to relevant heating demand. Installation is suitable for interiors where connection with the heating system and cabling leading to the place of control is not possible. It is sufficient only to connect to power supply.

## BASIC DATA

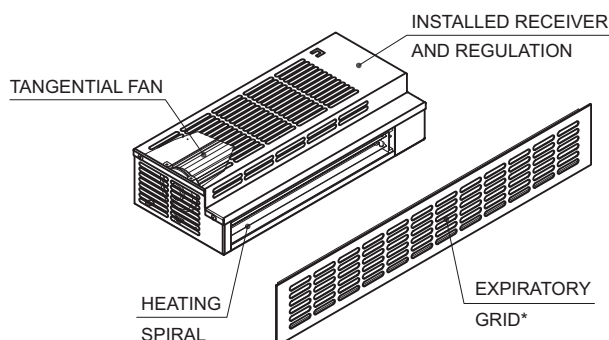
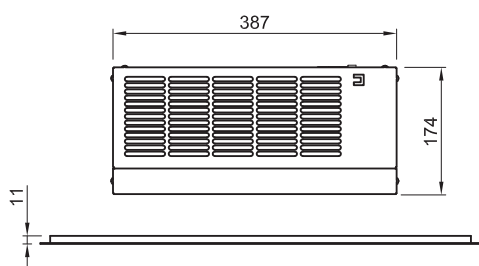
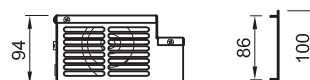
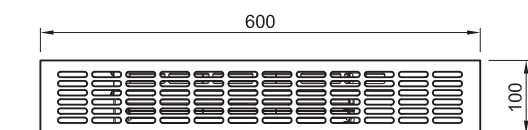
Product specification	KSE
Dimensions l × w × H	387×174×94 mm
Power I / II	500 / 1000 W
Fan voltage	230 V AC / 50Hz
Spiral voltage	230 V AC / 50Hz
Max. fan input power	45 W
Max. KSE input power	1050 W



## OPERATING CONDITIONS

Electric protection IP20, dry environment

## SKETCH



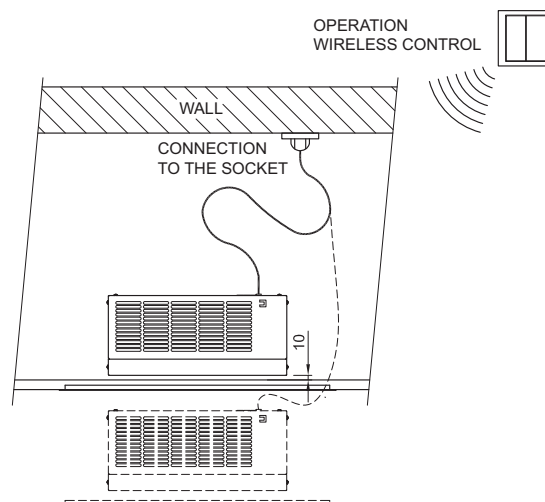
## CONTROL



There is a control element with a receiver for wireless system as a part of the convector heater. It enables arbitrary placement in the room. Control in a mode of 0, 500 W and 1000 W, white colour. A range of the wireless regulation is 40 m. After 30 minutes the convector is automatically switched off. Next 30 minutes start after repeated switching on. By this, safety operation is ensured and time intervals prevent additional cost caused by forgotten activation.

## INSTALLATION

- it is installed into a plinth of a minimum height of 100 mm and a length of 600 mm
- KSE is connected to power supply (installed supply cable with a male plug, length 2 m)
- test connection between transmitter and the receiver according to the procedure in the manual
- control element is placed on the wall
- install aluminium front grill



\* description of grill you can find on the back side of the leaflet





KSW



KSE



Installation

## ALUMINIUM GRID

Grid in a colour version of Al-nature with horizontal oval holes is the part of convector.  
Grid dimensions 600×100 mm.

