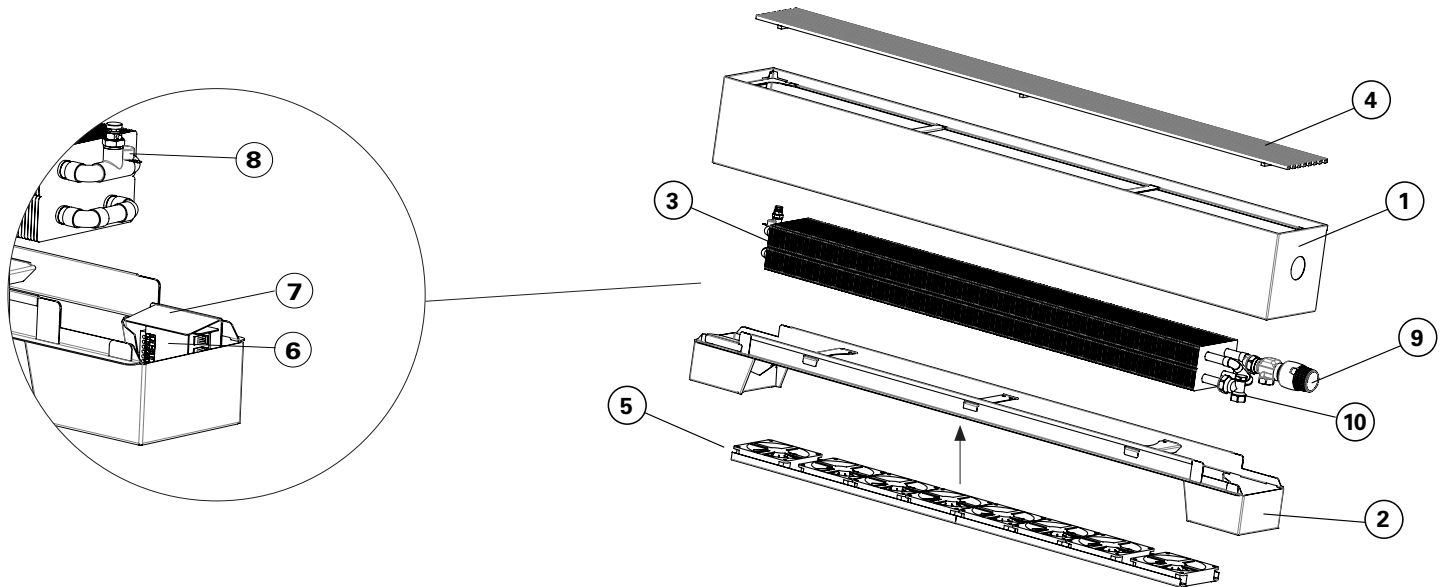


# INSTALLATION GUIDE - FREE-STANDING CONVECTORS FROM STAINLESS STEEL

## 1. UNIT DESCRIPTION

The standard delivery of the convector includes the convector itself, anchoring accessories and a standard frame. All other accessories (connection accessories, control elements, etc.) must be ordered and specified separately when ordering.

PIC. 1: COMPOSITION OF FREE-STANDING CONVECTORS – WITHOUT AND WITH A FAN



- CONVECTOR BODY** – stainless steel convector frame painted with color shade according to customer's request.
- CONVECTOR SUPPORT FRAME** – installed to the floor separately without a body.
- HEAT EXCHANGER** – Copper pipes with pressed on aluminum fins through which the heating water flows. The heat exchanger design differs according to the convector model.
- COVERING GRILLE** – to cover the convector outlet; with color shade according to customer's request.
- AXIAL FAN (models with a fan)** – Set of fan modules, mounted on the bottom of the convector support frame. The number differs according to the length of the convector.
- EB CONTROL UNIT (models with a fan)** – Fan motor control unit.
- EB CONTROL UNIT BRACKET (models with a fan)** – for fitting the control unit on the convector casing.
- TEMPERATURE SENSOR (models with a fan)** – for sensing temperature for the EB control unit.
- HEAD (optional)** – for temperature control and operation of the axial valve (thermostatic or electrothermic depends on convector type. The convector can be connected also without a head).
- CONNECTING ACCESSORIES** - different contents for different types of convectors. Connection accessories are packed separately and are not included in the standard convector delivery. Information on request from your sales representative.

## 2. DESIGN DETAILS, CONNECTION DIMENSIONS

PIC. 2: dimensions

L = Standard CONVECTOR LENGTH: 900, 1000, 1250, 1500, 1750, 2000 mm

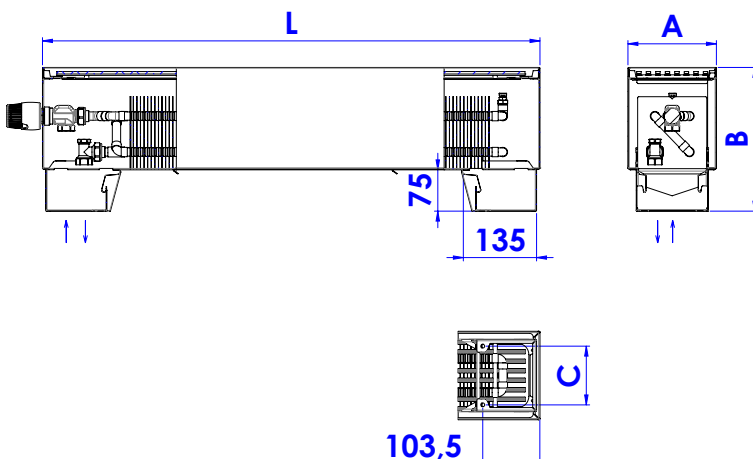


TABLE 1:

applies to all lengths L 900, 1000, 1250, 1500, 1750, 2000 mm for LEFT and RIGHT versions

Type	width A [mm]	height B [mm]	C [mm]
SPB	120	260	65,2
		360	65,2
		460	65,2
	160	160	106,2
		260	106,2
		360	106,2
	205	460	106,2
		260	149,2
		360	149,2
	230	460	149,2
		260	176,2
		360	176,2
SKB	120	260	65,2
	160	260	106,2
	205	260	149,2

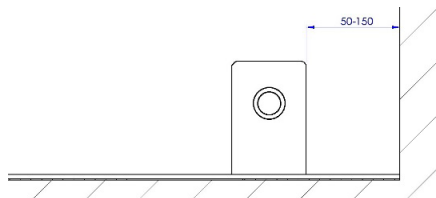
For the connection dimensions of the convector please contact your sales representative.

### 3. BEFORE INSTALLATION



Please note that work and repairs on the unit may only be carried out by a **qualified specialist** in accordance with the current standards! Before installation it is necessary to study in detail the **operating conditions**, which can be found in the document "Warranty certificate, operating and complaint conditions" or ask your sales representative.

PIC. 3. Recommended placement of the free-standing convector



Free-standing convectors by MINIB are to be floor mounted. We recommend leaving a 50–150 mm space between the convector and the wall (PIC.3).

- **Never cover the top grille** - this would result in flow reduction and a considerable decrease in the convector output.
- All free-standing convectors **with a fan are designed for dry environment**. A dry environment is where the average annual relative humidity does not exceed 65%, for wet environment such average annual value is equal to or greater than 65%. If the product includes wooden parts it can only be operated in an environment with relative air humidity up to 65%.
- In case of a convector with a fan, always verify the **regulation method** of the convector. The method of regulation is stated on each technical sheet of the convector.
- Make sure that the **heating medium pipes and the control cables** (models with fan) are connected.

### 4. INSTALLATION

The convector is installed on a pre-prepared heating pipe and el. wiring (models with fan), usually supplied from the floor.

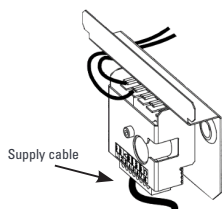
Use the supplied fixing elements to fix the freestanding convector.

A correctly installed convector is in horizontal position and firmly supported along the entire width of the leg.

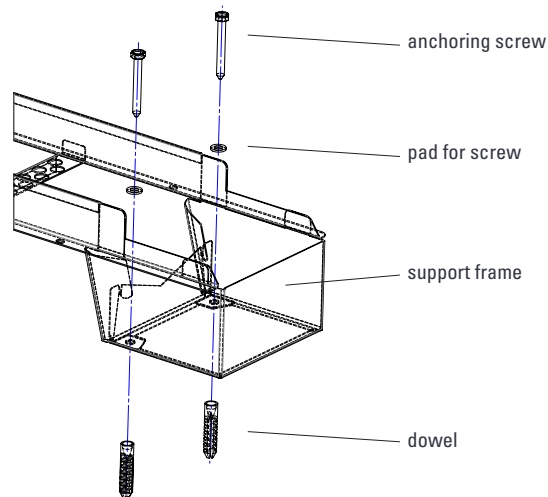
#### Installation process:

1. Remove the cover grille of the convector.
2. Remove the screws on the bottom of the support frame of the convector, remove the convector body and the heat exchanger.
3. Mark the holes on both sides of the supporting frame to fix the convector to the floor (PIC. 4).
4. Drill holes to fix the convector to the floor, install dowels and seat the convector support frame. Fix the support frame through the prepared holes using anchoring accessories (PIC.4).
5. Place the heat exchanger in the support frame of the convector.
6. For models with fan, connect the supply cable to the EB control unit, (PIC. 5). A detailed connection diagram of the control unit is shown in the control diagram of the particular regulation (see [www.minib.cz](http://www.minib.cz)).

PIC. 5: Close-up view of the power line connection to the EB control unit (models with a fan).



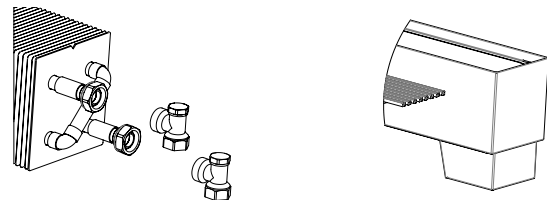
PIC. 4. Installation of the support frame of the convector



7. Connect the heating circuit – install connection accessories (PIC. 6a/6b/6c). A thermostatic valve is connected to the water inlet of the heat exchanger, or screw fitting in case of connection without head. Screw fitting is to be installed on the outlet line. Insert O-rings between the valve / screw fitting and the heat exchanger. Use gaskets for all the other connections.
8. In case of a connection without head after connecting the heating circuit, put on the convector body, install the screws on the bottom of the convector and put on the cover grille (PIC. 6a.).
9. For models without fan first put on the convector body, install the screws on the bottom of the convector, put on the cover grille, finally install the thermostatic head outside the convector (PIC. 6b.).
10. For models with fan install the electrothermic head on the connecting accessories, which will be inside the convector. Then put on the convector body, install the screws on the bottom of the convector and put on the cover grille (PIC. 6c.).

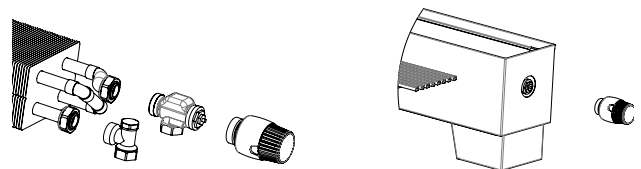
PIC. 6a.:

Close-up view - connection of connecting elements - without head



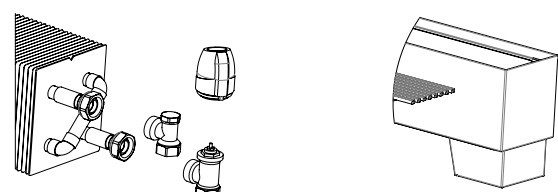
PIC. 6b.:

Close-up view - connection of connecting elements - with thermostatic head outside the convector



PIC. 6c.:

Close-up view - connection of connecting elements - with electrothermic head inside the convector



### 6. VENTING THE UNIT

Vent (bleed) the unit using the air vent valve during the first use as necessary. In free-standing convectors, the location of air vent valve on the heat exchanger pipe depends on the model.