

# Electric dryers with Z heating rod

## ASSEMBLY, OPERATION AND APPLICATION INSTRUCTIONS

### **Application:**

The electric heating element with Z rod without regulator is intended for clothes drying. Each unit is filled with an antifreeze fluid (down to -5 °C), tested and sealed. Dryer operation is in full compliance with EN 60335-2-43.

### **Technical data:**

- operation voltage	230V 50/60 Hz
- protection	IP 44
- protection class	I
- input – acc. to type	see label (200 to 1200 W)
- temperature limiter	75 °C
- connection	straight electric cable 120 cm ended by plug
- operation position	vertical from the el. dryer bottom

### **Device installation:**

- Use assembly set delivered together with the electric dryer.
- Fasten the el. dryer to the wall following the attached instructions.
- The el. dryer must be installed no less than 60 cm above floor lever.
- Plug in the wall socket.
- **The el. dryer must not be placed directly under the socket. Socket appropriateness should be verified by a professional electrical firm (ČSN 35 4515)!**
- In any case do not loose blinders nor deaerating plugs, otherwise the product may be damaged!
- If you are contemplating clothes drying using the heating rod alone, consideration should also be given to installing a timer switch.

### **WARNING:**

- **The el. dryer has to be always installed in a vertical position with bottom input, fig. 1!**
- **Heaters to be probably located in a bathroom must be installed in the way that a person in a bath or shower cannot touch switches or other controlling devices.**
- **With incorrect installation of the complete dryer, the device may be damaged or persons may be injured by electric current or by burn.**
- **If supply lead is damaged, it is required exchange to be performed by the producer or a person qualified in a similar way.**
- **It is inadmissible to use the heating element with a greater output than recommended!**
- **When the el. dryer is installed outside the CR area, corresponding national regulations to be observed.**
- **It is inadmissible to tighten the unit by the metal bushing of the connecting wire.**
- **Unit supply cable must not be laid on to or behind the heated el. dryer.**

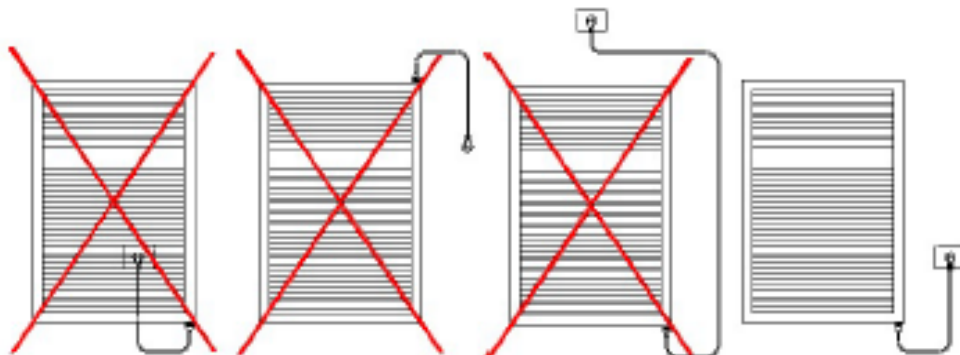
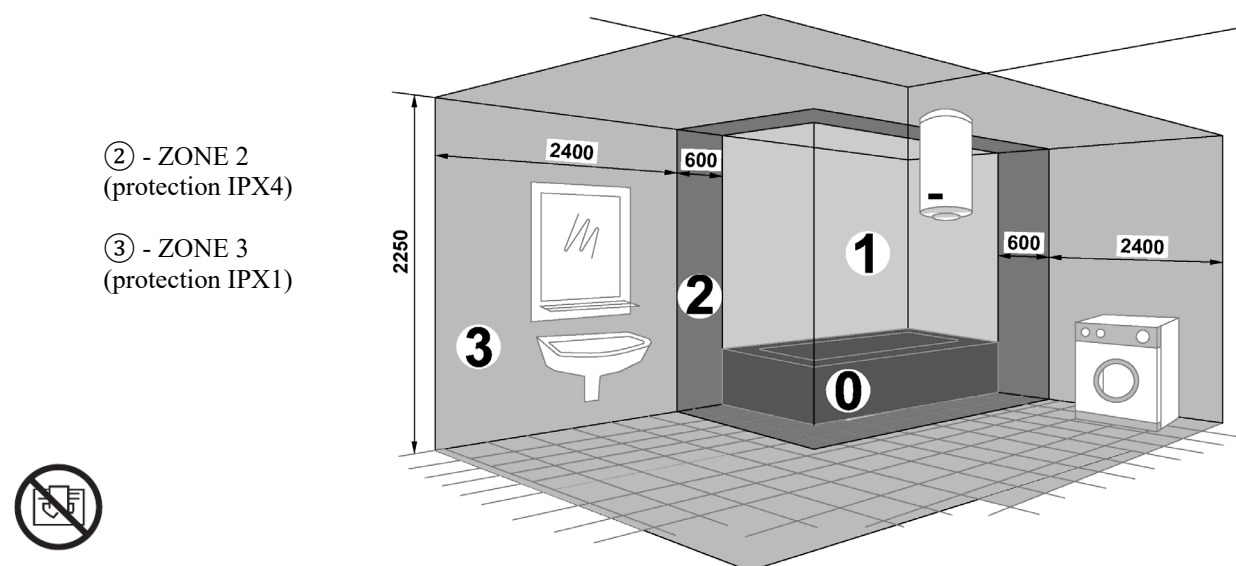


Fig.1

### **Special rules for bathroom installation:**

Electric dryers may be located in zones 2 and 3 according to ČSN 33 200-7-701.



### **WARNING:**

**To avoid overheating, do not cover the el. dryer.**

### **Function description:**

A temperature switch is installed inside the heating rod (in its tip), which disconnects the electric circuit when the temperature of the heating fluid rises to about 75 °C. This switch of the heating element electrical circuit again automatically connects it if the heating fluid temperature drops to about 60 °C.

The irreversible thermal fuse serves as a safety element in case of damage to the thermal switch or in case of failure to observe safe operating conditions. It is intended to protect the user against el. dryer overheating. If the temperature of the heating fluid exceeds 100 °C, the thermal fuse melts, thus permanently disconnecting the electrical circuit of the heating element.

### **Power cable size reduction**

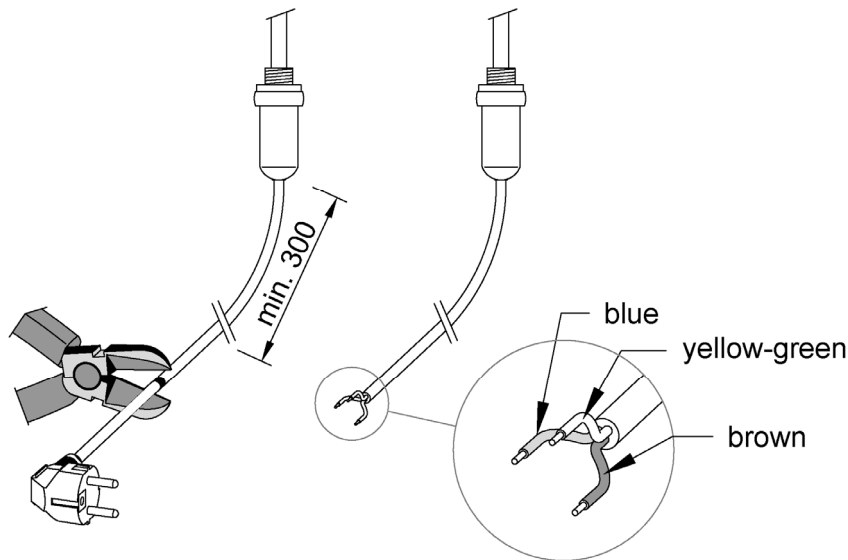
The length of the power supply cable can be reduced to allow its direct installation in a wall box or connection to a terminal designed for the cable, i.e. it is certified and rated for the given type of installation (e.g. an electric plug with an integrated switch).

**CAUTION!** The cable must extend at least 300 mm from the inlet to the heating unit, the thermostat receiver or regulator (according to the equipment installed) after it has been cut. No warranty claim or repair will be accepted, including defects not related to the shortening of the cable, if the length of the cable is less than 300 mm.

**The reduction may only be carried out by a person with the appropriate electrical expertise!** The external insulation of the cable and the insulation of individual conductors must remain intact. Avoid using cables with broken insulation.

All connections/wiring must be in compliance with the legislation of the country where the installation is performed, as well as with the rules for use in specific environments (e.g. bathrooms), the IEC 60364-7-701 standard in particular.

**In this case, the rated degree of protection, IPX4, as declared by the manufacturer of the product, will not apply to the reduced end of the cable and/or any terminal.**



The wiring of Class I equipment is as follows:

<b>Brown (black):</b>	<b>L</b>	<b>phase 230 V AC / 50-60 Hz</b>
<b>Blue:</b>	<b>N</b>	<b>neutral conductor</b>
<b>Yellow-green:</b>	<b>PE</b>	<b>protective conductor (earth)</b>

The manufacturer assumes no responsibility for any damage to the equipment or personal injury caused by improper installation of the cable, reversed polarity, insulation damage or any other intervention, connection or wiring that is not in compliance with the applicable regulations.

#### **Guarantee:**

- The el. dryer with Z heating rod are under guarantee for 2 years from the production date. Guarantee repairs are carried out solely at the accredited place.
- Guarantee is not applied to assembly work and cannot be put into effect if all provisions of these instructions are not observed.

#### **Customer loses claims on a guarantee repair in case that these el. dryers were:**

- installed in buildings, devices or areas with increased dampness, especially at public WC, washing lines, in runs for animals, roofed pools etc.
- stored freely in outside space, stored with the temperature lower than -5 °C
- damaged inside by corrosion and due to not hermetic, for example because of unsuitable chemical composition of heat carrier
- damaged mechanically, caused by a buyer or during transport
- installed unprofessionally, there was intervention to unit construction without seller agreement
- used for another purposes than is usual, especially for drying of wet textiles directly on el. dryers without using of additional accessories designed to this; this is a cause of surface coating damage
- any changes in the letter of guarantee made by an unauthorized person
- in case the letter of guarantee has not been filled or has been lost

# LETTER OF GUARANTEE

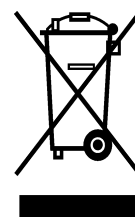
1. Seller guarantee is applied to tightness, surface coating, specified values of thermal outputs and pressure losses of heating units installed professionally in a sealed system in accordance with valid standards and regulations, including corrosion characteristics of heat carrier that must be used solely as heating, never as industrial water.
2. Units must be installed professionally in accordance with valid standards in the sealed system that is professionally performed according to VDI 2035 with respect to protection against damages caused by corrosion and furring.
3. Surroundings, in which units are installed, do not exceed requirements for units coating in accordance with a valid standard by their corrosion activity.
4. Electric dryers are necessary to be installed in compliance with valid standards and regulations of the standard about appliance location in a bathroom, IP 44 protection – zone 2, IP 21 – zone 3. Dryers with heating rod are necessary to be stored in the temperature higher than -5 °C.
5. **Guarantee periods:**
  - pipe bathroom radiators, guarantee period of 5 years for white and colour radiators, for chromium-plated version 5 years from the date of product delivery to the buyer. Operation pressure max. 10 bar.
  - lamellar radiators and convectors, guarantee period of 5 years from the date of product delivery to the buyer. Operation pressure max. 5 bar – standard version, 10 bar – according to order.
  - for electric dryers the guarantee period for the heating bar is 2 years from the date of product sale. Guarantee repairs of electric units are carried out only at accredited place.

**Guarantee is applied to failures and defects that arise during the guarantee period due to production fault or used materials defect.**

Guarantee is not applied to product wear that exceed common use. If no defect caused by the producer is find out inspecting the product or guarantee requirements are not met, cost connected to the product inspection or repair will be paid by the buyer.  
In case of sending goods by post when complaint is applied, it must be packed in the original packaging.

## **Product disposal instructions - the European Union**

The crossed out symbol of a bin displayed on your product is a reminder that, within the European Union, all electric and electronic products must be collected separately at the end of their service life. Do not dispose of these products as unsorted municipal waste. Bring these products to a waste collection facility to prevent environmental or health damage due to uncontrolled waste disposal and to promote sustainable utilization of material resources. Disposal information can be obtained from product vendors, local waste management authorities or relevant national manufacturers.



The manufacturer disclaims all liability and responsibility for any inaccuracies contained in this document due to printing or translation errors. The manufacturer reserves the right to make any changes to its products deemed to be necessary or beneficial. This document and any part thereof may not be copied, altered or reproduced without the written approval.

06/24 800304981