



E.G.O. Product Compendium

Insert Heating Elements

Instructions for Use/Handling

1. Name of Company

- a. Manufacturer/Supplier
E.G.O. Group
- b. Street/PO Box
Rote-Tor-Straße 14
- c. Postal code/town or city
75038 Oberderdingen
Germany
- d. Contact
Mr Daniel Fuchs
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E-mail: daniel.fuchs@egoproducts.com

2. Product Name and Properties

- a. Product description
EGO Insert Heating Elements with the numbers
29.60xxx.xxx
29.65xxx.xxx
- b. Use/application
EGO Insert Heating Elements are designed exclusively for heating water, specifically for hot-water boilers in households and industry. Any other uses require the written consent of E.G.O.
- c. Product structure

Tube sheathing	Stainless steel (2.4858/Incoloy 825)
Insulation	Magnesium oxide
Heat conductor	CrNi
Connector bead	Ceramics, plastic
Connector bolts	Steel, stainless steel
Tab terminal	Steel, nickel-plated
Flange	Stainless steel
Housing	Plastic
Sensor protective tube	Stainless steel (1.4404)

EGO thermostats and EGO temperature limiters – see separate product compendium.
- d. Product features
EGO Insert Heating Elements are devices for heating water.

3. Potential Hazards

a. General

EGO Insert Heating Elements are not dangerous substances in the sense of the Directive (EC) relating to the classification, packaging and labelling of dangerous preparations (1272/2008/EC) or the German Hazardous Substances Ordinance (Gefahrstoffverordnung) and thus are not subject to labeling requirements.

Without the written consent of E.G.O., EGO Insert Heating Elements may be used only in the context described here. Non-intended uses of EGO Insert Heating Elements may lead to hazards that are not described in this fact sheet. Additional specifications can be found on the respective type drawing.

b. Storage

None

c. Fitting/handling

EGO Insert Heating Elements supplied may be installed by qualified and trained personnel only.

The information on the type drawing and in the approved technical data must be observed. The values specified must not be exceeded.

Only suitable cables, connectors, cable shoes, etc. may be used during installation. Their type must be fit for purpose.

d. Environment/ecology

No negative effects on the environment are anticipated if EGO Insert Heating Elements are used as intended and disposed of properly.

4. Information on Use

a. General

EGO Insert Heating Elements are used for heating in electric water heaters for households and industry. Any other uses require the written consent of E.G.O.

b. Servicing

EGO Insert Heating Elements are not allowed for repairs. In the case of a defect, the complete EGO Insert Heating Element must be replaced.

c. ESD requirements

None

d. Assembly and installation instructions

EGO Insert Heating Elements are to be tested in the respective application by the customer himself before installation. Installation may be carried out by qualified and trained personnel only.

The casing of EGO Insert Heating Elements is only allowed to be opened to establish the mains connection. If the tabs on the thermostat are to be removed for easier connection of the mains supply cable, the removal must be straightforward and without lateral movements. Re-attachment must be done accordingly again straight and without lateral movements, re-establishing the original contact pin position on the thermostat and wiring.

By no means is it allowed to change the position of the capillary tube of the thermostat.

EGO Insert Heating Elements with bended thermostat contacts are not allowed to be operated for safety reasons furthermore – replacement of the complete EGO Insert Heating Element is necessary.

5. Information on Classification of Environmental Conditions

For details, see document No. 90.60007.584.

6. Information on Disposal

Metal parts and packaging are to be recycled or reused in accordance with the applicable regional/national provisions particularly with the Directive 2012/19/EC Waste Electrical and Electronic Equipment.

7. Relevant Regulations

a. Standards/norms

Environmental regulations

All components used by E.G.O. have been released by our suppliers in accordance with the REACH Regulation (EC) 1907/2006/EC, RoHS Directive 2011/65/EC and Directive on Waste Electrical and Electronic Equipment (WEEE) 2012/19/EC.

EGO Insert Heating Elements are to be disposed of in compliance with the applicable regional/national regulations.

Safety regulations

DIN EN 60335-1
DIN EN 60335-2-21
DIN EN 60335-2-73
DIN VDE 0700-253

Household and similar electrical appliances
Particular requirements for storage water heaters
Fixed immersion heaters in open systems
Fixed immersion heaters in closed systems

b. Transport regulations

IEC 68-2-31
IEC 68-2-32
IEC 68-2-6

Transport test for unpackaged components
Transport test for packaged components
Vibration test for unpackaged components

c. Product approvals

The product approvals for EGO Insert Heating Elements are stored in the approved technical specifications.

8. Other information

a. General

Attention is drawn expressly to the fact that EGO Insert Heating Elements may be used only for the use designated in this product compendium.

More information about application and use can be found in the respective publications and type drawings.

All information is based on the current state of knowledge and experience. It includes the necessary safety measures and does not constitute a warranty of specific features.

b. Changes from previous version

2017-08-30:

- Standards adapted to current versions
- Phrasing re-worked