

The electrical connection may only be done by a locally certified professional. All electrical installations must comply with VDE (Association for Electrical, Electronic and Informaiton Technologies) rules and regulations and with those of the local electricity supply company.

Connection to the net: an all-pole disconnecting device, having a required opening of at least 3 mm (excluding micro-switch) must be provided.

Protective conductor connection: This must be such that, if needed, the housing is externally connected to ground in order to, for example, avoid static charging.

The safety measure (protection class 1) must be ensured through installation.

Protection Type IP 44 must be ensured through installation.

Before commencing work on the radiator it is imperative to ensure complete network separation!!!

Please Note:

DIN 4751 Hot Water Systems Safety Equipment

Heating Systems Order

If you are using a screw-in heater in a pressure tank, please refer to the AD instruction sheet A3, paragraph 3.28.

The maximum operating pressure must not exceed 10 bar!

The screw-in heater's installation position must be horizontal and vertical from top to bottom, but never from the ground up. Danger of burns or scalding! Protect the heater from drying out!

Maintenance is limited to the heating element, which has to be kept free from deposits, settling sediments, boiler scale etc. Regular inspections should be conducted.

Operation under Water:

Lime scale deposits lead to premature corrosion of tubular heating elements, appropriate measures for water processing and decalcification must therefore be implemented.

No liability is assumed for damage due to corrosion of wetted parts, soiling or limescale deposits on the heating elements, or when used improperly or for unintended purposes.

The unheated section beyond the seal face is 100mm long.

Protection class: IP 44 (splash water protection). When the cover is removed, the connection housing can be rotated by +/- 180° into the required position.

The screw-in heater is equipped with a three-pole temperature limiter/regulator combination. The switch-off temperature of the safety limiter is 98 -99 °C. The temperature regulator's control range is 5 – 75 °C.

The temperature limiter reacts and switches off if the radiator is dry when turned on, or if the liquid level temporarily sinks below the thermostat, which is situated at the centre of the heater, or if the temperature reaches 96 °C, in case of temperature regulator failure. The temperature limiter will switch off and can be activated again by pressing the release button. If the temperature limiter is triggered repeatedly, the screw-in heater and/or the heating system should be checked by a qualified professional. The temperature limiter does not protect the radiator against the gradual loss of liquid, e.g. through vaporization (some parts of the radiator may be dry, while the sensing probe may still be submerged).

**Prior to being put into operation, it must be checked that the container is filled with sufficient fluid!**

The identification plates are inscribed with the essential information.

Both previous installation guides and user manuals are missing the following instructions and information:

- 1)
- 2) This appliance is not intended for use by persons (including children) with reduced physical, sensory or mental capabilities, or lack of experience and knowledge, unless they have been given supervision or instruction concerning use of the appliance by a person responsible for their safety.
- 3) Children should be supervised to ensure they do not play with the appliance.
- 4) Water may drip from the discharge pipe of the pressure relief equipment. This pipe must be left open to the atmosphere.
- 5) The pressure relief equipment must be operated regularly to remove lime deposits and to verify that it is not blocked.
- 6) Any discharge pipe connected to the pressure relief equipment must be installed in a continuously downward direction and in a frost free environment.

