

ET 813.01

Electrical steam generator



Specification

- [1] steam generator to supply ET 813
- [2] electric heater
- [3] extensive safety equipment
- [4] feedwater: distilled or demineralised

Technical data

Heater

- heating power: 30kW

Steam generator

- pressure vessel volume: 53,5L
- steam output: 40kg/h
- operating pressure: 7bar at 170°C
- max. pressure: 8,5bar

Measuring ranges

- pressure: 0...10bar

400V, 50Hz, 3 phases

230V, 60Hz, 3 phases

400V, 60Hz, 3 phases

LxWxH: 780x730x1760mm

Weight: approx. 240kg

Required for operation

water connection, drain

Scope of delivery

- 1 steam generator
- 1 set of hoses
- 1 manual

Description

- electrically heated steam generator
- short heat-up time
- fully automatic operation

The ET 813.01 electrically heated steam generator is intended to supply the ET 813 steam engine with saturated steam. The ET steam generator 813.01, in conjunction with the ET 813 steam engine and the HM 365 universal drive and brake unit, forms a complete steam power plant. The condensate is cleaned by the ET 813 trainer and fed back into the steam generator's feed tank, thereby creating a closed water circuit. The feedwater reservoir can be increased from an additional tank by using a submersible pump as required. The additional water must be distilled or demineralized. A flue gas discharge is not required since the heating is done electrically.

The steam generator is type tested and does not require specific permissions. The function is fully automatic. The short heat-up time until steam is produced allows elaborate experiments to be conducted in short periods of time. Extensive safety equipment ensures safe operation.