



Electrical Steam Generator (SMT-CP-100)

The electrically heated steam generator is intended to supply the steam engine with saturated steam. The CP steam generator, in conjunction with the steam engine and the universal drive and brake unit, forms a complete steam power plant. The condensate is cleaned by the trainer and fed back into the steam generator's feed tank, thereby creating a closed water circuit. The feed water 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.

TECHNICAL SPECIFICATIONS

Technical Specifications:

- **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 to 10bar
- **Power source**
 - 400V, 50Hz, 3 phases



Specifications:

- Steam generator to supply Source.
- Electric heater
- Extensive safety equipment
- Feed water: distilled or demineralised