

GENERAL DESCRIPTION

This training set converts vapor pressure and rate of steam into mechanical energy. At the same time it converts mechanical energy into electrical energy with the help of a generator installed at the top of the training set .

TECHNICAL DESCRIPTION

Steam turbines convert thermal and kinetic energy of vapor to electrical energy. Fuel source of steam turbines is steam boiler. Hot vapor that has high temperature and pressure is transferred to turbine system, then it is condensed and it is directed to steam boiler again and by this way the circuit is completed.

EXPERIMENTS

1. Calculation of turbine efficiency.
2. Experiment of the operation of the turbine at different loads and speed.

DIMENSIONS

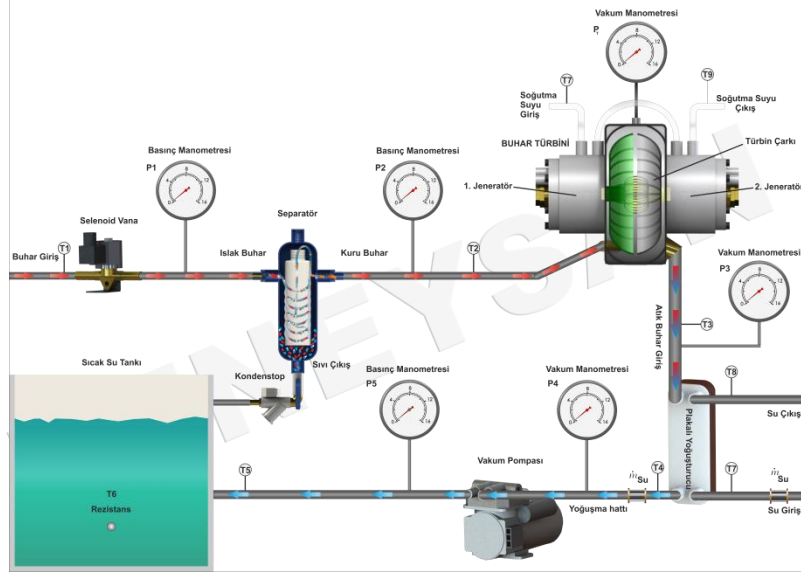
LxWxH: 500x500x1350 mm

TECHNICAL DETAILS

- Alfa laval type turbine
- Wing inlet angle 45°
- Rotor diameter 100 mm
- Max. turbine rotation 40.000 rpm
- 160°C and 5.2 bar values hot vapor
- 1 liter condenser tank
- Temperature measurement from 6 different points
- Vacuum pressure measurement from 2 different points.
- Pressure measurement from 1 point
- Digital measurement of electrical data



DENEYSAN TE-660 BUHAR TÜRBİNİ EĞİTİM SETİ DEVRE ŞEMASI

**OPTIONAL FEATURES**

- LCD touchscreen
- USB PC connection.

SCOPE OF DELIVERY

The set, packet of the set, datasheet, product catalogue and circuit diagram.

WARRANTY CONDITIONS

The training set has two years cost-free spare part and service warranty across fabrication and mounting faults, and has 10 years for a fee spare part and service warranty.