

Product Name :
Saturated Steam The Marcet Boiler**Product Code :**
ATHE0021**Description :**

Saturated Steam The Marcet Boiler

Technical Specification :

- The apparatus consists of a rigid frame containing an insulated pressure vessel (boiler) and an instrumentation and control unit.
- The electrically-heated boiler holds water.
- The boiler includes a special-purpose glass window.
- A pressure relief valve limits the maximum boiler pressure.
- The frame also has extra space for the optional interface.
- As the water temperature increases, so does the pressure in the boiler.
- A transducer and a thermocouple measure the boiler pressure and temperature.
- A digital display shows the values in both SI and traditional units.
- For sound engineering practice a mechanical Bourdon type gauge also displays the pressure.
- It works independent of the electrical supply so the user can always see the pressure in the vessel.

- The electrical heater has a thermostat to limit the maximum heater temperature.
- It allows students to see the internal construction of the vessel, to see the boiling process and to check the water level.
- For safety, the equipment includes high temperature pipe to direct any vented steam away from the working area to a suitable drain.
- The design includes all possible safety and low maintenance features, specially for educational use.



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