

BOILER CASCADE SYSTEM



Experimental capabilities

- **Practical manipulations of real heating elements:**
 - Choice of equipment
 - Installation
 - Research and identification of components
 - Startup
 - Setting
 - Preventive and curative maintenance
 - The safety element
 - Water supply - treatment of waters of boilers
 - Device of water expansion
- **Use of the instrumentation:**
 - Measurement of flow rates, pressures, temperatures
- **• Consumptions**

TCF130



Operating principle

The TCF130 bench allows the study of 2 boilers in cascade. It consists of two traditional boilers oil-fired floor. The boiler cascade supplies two _ circuits with two temperature levels. This bench allows the learner to address the cascade control concepts, thermal balances, of yield and of control on 3-way valve. The TCF130 bench can be connected to a heat dissipation benches (not included).

The robust design of this equipment makes it perfectly suited for school use. Its anodized aluminum structure on wheels makes it very robust as well as a great flexibility of integration into your premises.

The manufacture of this equipment meets European machine directive

This equipment can be used alone or with other compatible devices in our range (see last section of this document).

Illustrations

Technical specifications



1. Sludge separator / Degasser
2. Mixture bottle 50 L
3. Hydraulic module for heat dissipation
4. Expansion tank 18 L
5. Line for water supply
6. Injection bottle
7. 3-way valve
8. Oil tank
9. Safety valve module
10. Floor boiler fuel oil

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Services required

Documentation

- Power supply: 220Vac - 50 Hz - 25 A
- Electrical supply Type: 1-Phase + Neutral + Earth.
- Water disposal: at ground level
- Evacuation of Smokes: Diameter 125 mm
- Supply in Fuel: Fuel oilDimensions: (LxWxH mm):
3100 x 1820 x 1900
- weight (Kg): 550

- User's manual
- Pedagogical manual
- Technical documentation of the components
- Lab exercises
- Certificate of conformity CE

Note : if the equipment installation is operated by our staff, all supplies and exhaust connections required must stand at less than 2m from the machine

Options

- Combustion Analyzer

- Ref : KIG100

Additional compatible equipment

- Unit Heater
- Bench heating floor
- Radiators bench

- Ref : AER033
- Ref : TCF121
- Ref : TCF124

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