

## WALL MOUNTED BOILER SIMULATOR



### PEDAGOGICALS APPLICATIONS

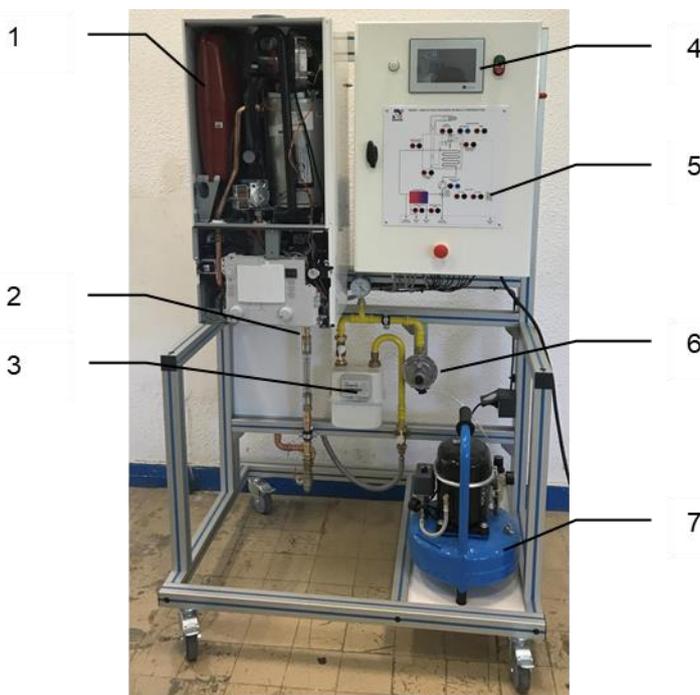
- Visualize and identify the components of a wall-mounted gas boiler
- Commissioning a gas boiler
- Setting up a gas boiler
- Perform maintenance operations on a gas boiler
- Diagnose failures on a wall-mounted boiler (12 failures)
- PWM signal visualization

## OPERATING PRINCIPLE

The wall-mounted boiler simulator is intended to facilitate the understanding of the operating cycle of a modern gas wall-mounted boiler with electronic regulator. It can be used immediately, without installation. The boiler works like a real boiler, temperatures are simulated. A touch screen reproduces the boiler control panel and allows breakdowns. A synoptic system equipped with measuring sockets takes up the main signals of the boiler and assists in diagnosis. A compressor-regulator is integrated into the bench to simulate the presence of gas.

The rugged design of this equipment makes it perfectly suited for use in schools. Its anodized aluminum structure on wheels gives it great robustness and flexibility of integration into your premises. The manufacture of this equipment complies with the European machinery directive

## Illustrations



## Technical specifications

1. Wall-mounted gas condensing boiler with instantaneous DHW production.
2. DHW circuit with flowmeter to visualize the flow of dhw
3. Gas meter and pressure gauge
4. 7" colour Touch screen reproducing the boiler control panel, allowing to engage a DHW draw and activate faults.
5. Synoptic table of the boiler with signal measurement sockets (contact, 24V, PWM ..)
6. Gas pressure reducer
7. Silent air compressor with buffer tank (replaces gas).
8. The bench is equipped with an electrical box including the necessary safety (general disconnecter, differential circuit breaker, emergency stop ...)
9. The bench comes with a small digital oscilloscope to view PWM signals



## Services required

- Power supply: 230 Vac – 50 Hz – 10 A
- Power supply type: 1 phase(s) + Neutral + Earth.
- Dimensions : (LxHxW mm): 1050 x 800 x 1800
- Weight (Kg): 100

**Nota :** As part of an installation of the equipment by our services, all connections to the networks must be within 2m of the machine

## Documentation

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