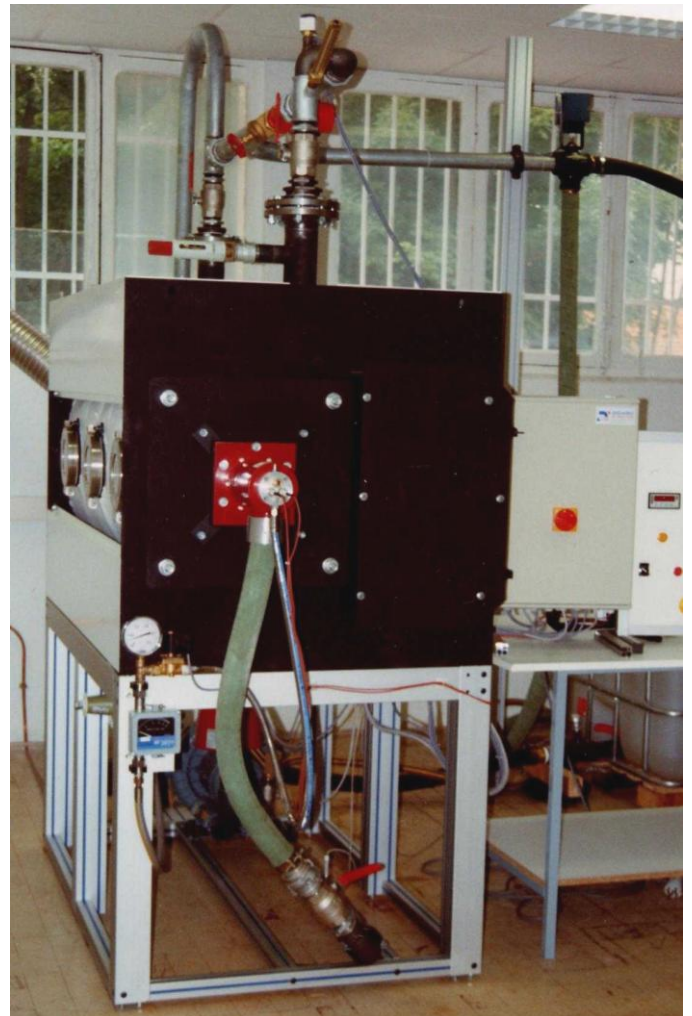


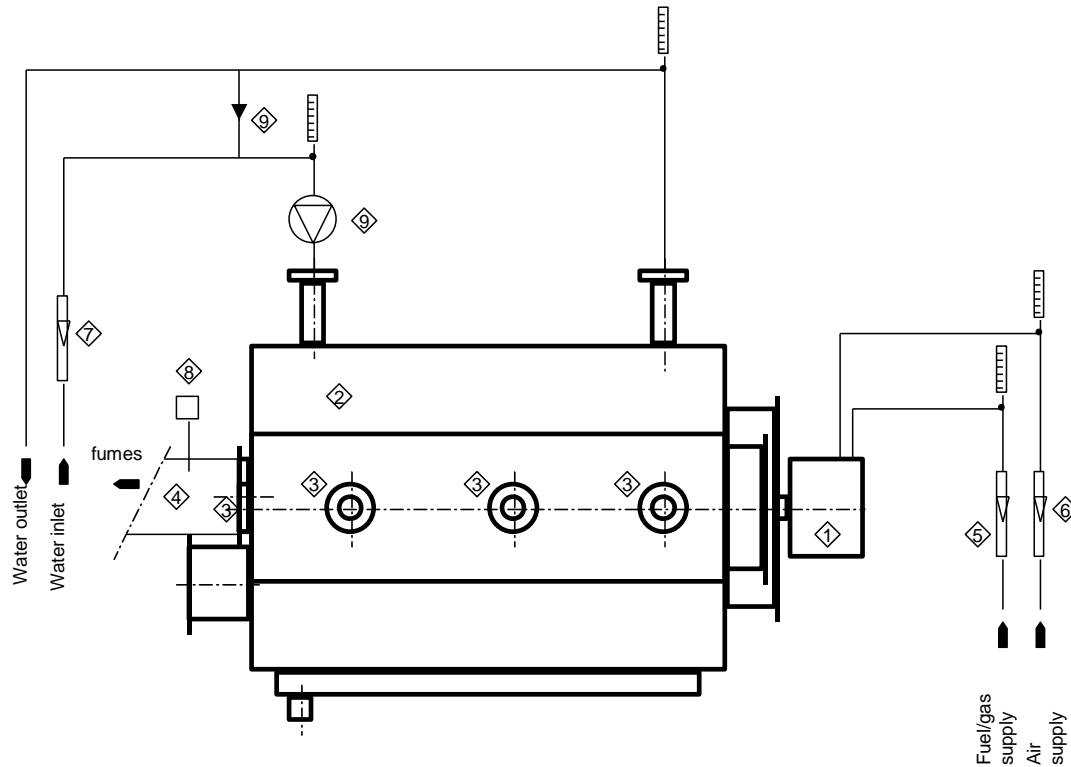
Combustion unit - 230 KW

DESCRIPTION

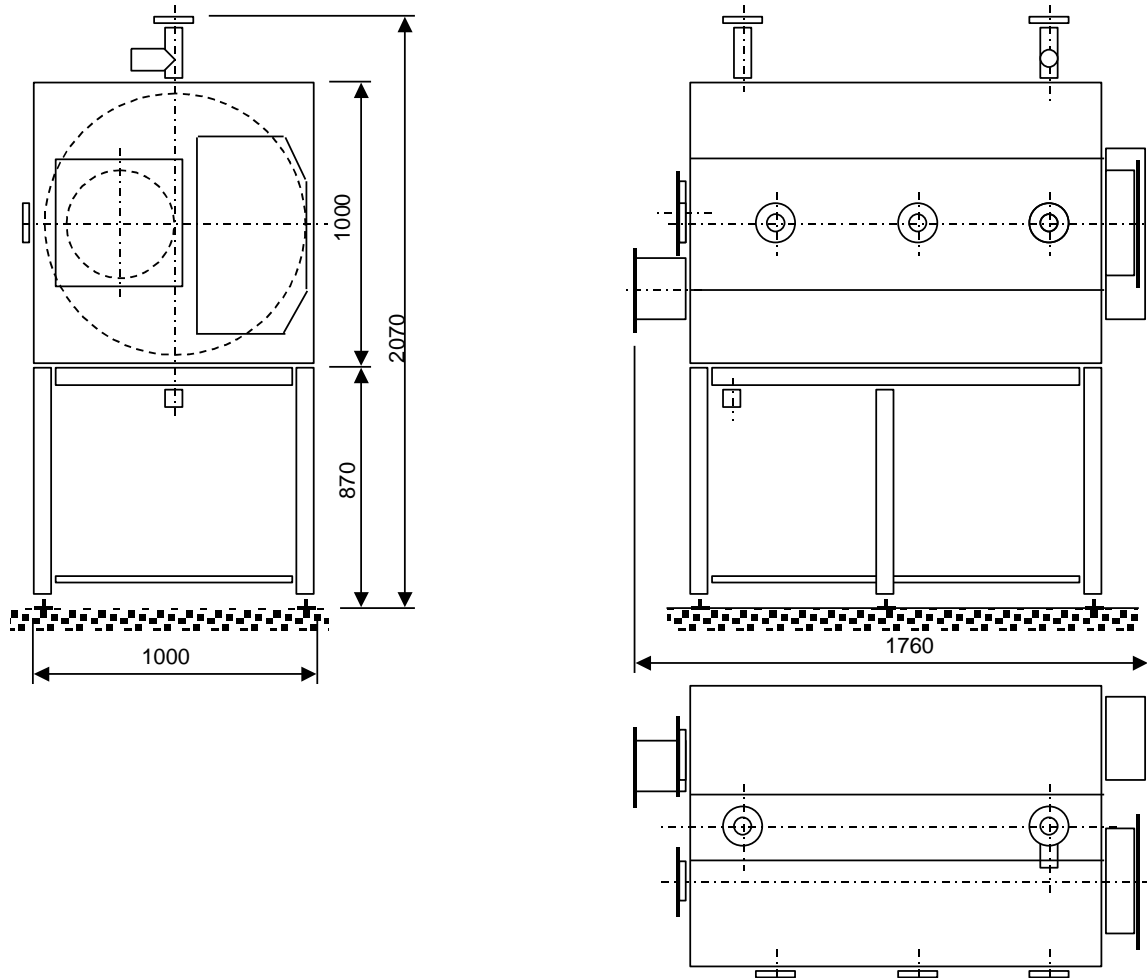
- This combustion unit is delivered complete with instrumentation and with technical and instruction manuals.
- This unit may be used at various educational levels in the Energy Engineering field.



Description



1. 230 kW GAS AND/OR FUEL BURNER WITH ADJUSTABLE PRESSURE AND AIR FLOW, SETS OF NOZZLES – SAFETY DEVICES
2. 230 kW BOILER – FIREBOX : \varnothing 400 – LENGTH : 1400 WITH WATER CIRCUIT AND COMBUSTION INSULATION – SAFETY DEVICES
3. 4 WINDOWS : \varnothing 110 mm IN FRONT OF THE FLAME
4. CHIMNEY TO EXHAUST FUMES
5. GAS/FUEL CIRCUIT WITH MEASUREMENT OF FLOW, PRESSURE AND TEMPERATURE
6. AIR CIRCUIT WITH MEASUREMENT OF FLOW AND TEMPERATURE
7. WATER CIRCUIT WITH MEASUREMENT OF FLOW, PRESSURE AND TEMPERATURE
8. GAS ANALYSER : O_2 , CO , CO_2 , GAS TEMPERATURE, AMBIENT TEMPERATURE, DRAUGHT



SUGGESTED APPLICATIONS

⇒ Experimental work with a fuel or gas boiler

- Starting
- Adjustment
- Combustion optimization
- Flame visualization through window
- Identification of the components and determining their function
- Identifying components for specific functions
- Preventive maintenance and correcting problems
- Safety material

⇒ Use of the instrumentation

- Balance, efficiency, power
- Combustion analysis
- Measurement of the exhaust in the chimney
- Estimation : flow rate, pressure, temperature

TBF 230

Specifications

The combustion unit allows for the analysis and control of a gas or other fuel (to be chosen) burner.

Maximum power : 230 kW

Fuel flow rate : 20 kg/h maximum

Required water flow rate for cooling :
2.8 m³/h

Variants

GAS boiler

FUEL boiler

Options

A.FUEL TANK



B.COOLING TOWER



Dimensions

See the diagram on previous page

Weight (without water) 900 kg

Utilities

Fuel/gas supply

Fumes exhaust: at 2.5 m Max.
from the unit

Heat dispersion (cool water -
20°C)

Shipping

Dimensions of the packing :

Length	1 800 mm
Width	1 100 mm
Height	2 300 mm
Global weight	1100 kg