



## Function

The NOVABOX range, model 200, covers the following hydraulic functions:

- Circulation of energy from a biomass generator to the heating circuit;
- Instant domestic hot water production;
- Auxiliary functions of the system.

## Primary hydraulic circuit

Max flow	1600 l/h
Max temperature	95°C continuous – 110°C peak
Max pressure	6 bar
Residual head at 1000 l/h	4.8 m.w.c.
Liquid	Water – Water + Glycol max 30%

## Heating hydraulic circuit

Max flow rate	1700 l/h
Max temperature	95°C continuous – 110°C peak
Max pressure	6 bar
Residual head at 1000 l/h	6.4 m.w.c.
Fluid	Water – Water + Glycol max 30%

## Domestic hot water hydraulic circuit

Max flow rate at $\Delta t$ 30°C	20 l/min
Max temperature	60°C
Max pressure	6 bar
Fluid	Domestic hot water

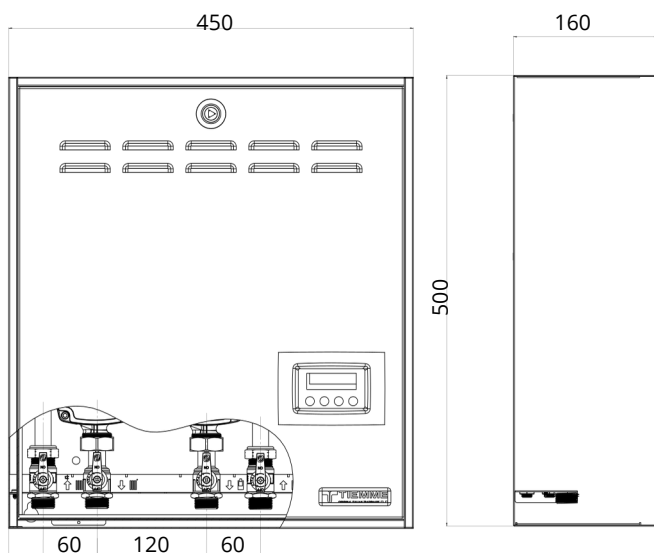
## Electrical and mechanical characteristics

Power supply voltage	230V / 50 Hz
Max electrical consumption	Max 90 W
IP protection rating	IPX0D
Control unit setting	CFG 30
Domestic plate heat exchanger	20 plates
Connections	3/4" M
Center-to-center distance	60 mm
External dimensions	450x500x160 mm
Weight	15 kg

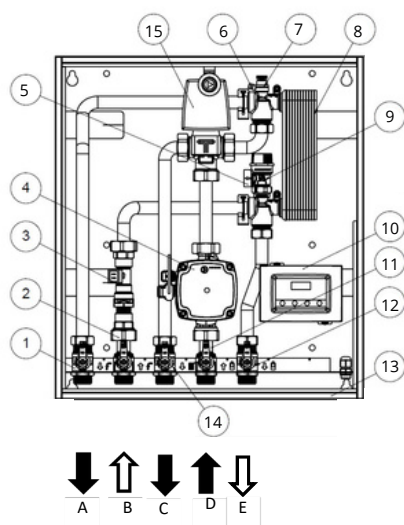
## Materials

Pipes	Copper
Circulators	Cast iron
Components	Brass / CW617N

## Dimensions



## Composition



- 1) Domestic water outlet valve
- 2) Domestic water inlet valve
- 3) Domestic water flow meter
- 4) Generator circulation pump
- 5) Domestic circuit safety valve
- 6) Domestic system air vent
- 7) Generator air vent
- 8) Domestic plate heat exchanger
- 9) Generator supply sensor
- 10) Control unit
- 11) Generator supply valve
- 12) Generator return valve
- 13) Metal box
- 14) System supply valve
- 15) Diverter valve

- A) Domestic Hot Water
- B) Domestic Cold Water
- C) Flow heating circuit
- D) Flow generator
- E) Return generator

## Accessories



### CONTROL UNIT

Control unit TC100  
(Cod. CF105175)



### CIRCULATOR UPM3

CIRCULATOR UPM3 HYBRID  
(Cod. R0105078)



### AIR VENT VALVE 1/4"

Air vent valve  
(Cod. CF105001)



### PROBE WELL

Probe well 6mm  
(Cod. CF405111)



### NTC PROBE

Ntc probe 6mm - ntc 10k@25°  
(Cod. R3705089)



### PLATE HEAT EXCHANGER

Plate heat exchanger swep E5ASH - 20 plates (COD. R0105410)  
Plate heat exchanger swep E5ASH - 40 plates (COD. R0105409)



### ESBE VZC 162

Zone valve without cable  
(CF105190)

## Certifications

- Product compliant with:
- EN 16297-2 / EN 16297-3:2012 ErPReady
  - PED Directive - 2014/68/EU

