

## UTILIZATION OF THE D.H.W. WITH FAUCET MIXER



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### PEDAGOGICAL APPLICATIONS

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- Identify the components of a DHW circuit
- Study of a system for controlling the temperature of domestic hot water (safety faucet)
- Identification of power supply components in cold water (pollution check valve, meter, pressure reducer)
- Measurement of water flow rates in a mixer
- Measurement of water temperatures (hot and cold)
- Disposal of wastewater

## PRINCIPLE OF OPERATION

The ECS100 bench allows the study of the use of domestic hot water.

The user must connect the bench on a cold power supply and on a DHW production.

The system is designed to allow the user to visualize the different circuits and understand the distribution system.

The instrumentation used to measure flow rates, temperatures and circuit pressures in order to visualize the effect of water pulling on the characteristics of the water in the circuits.

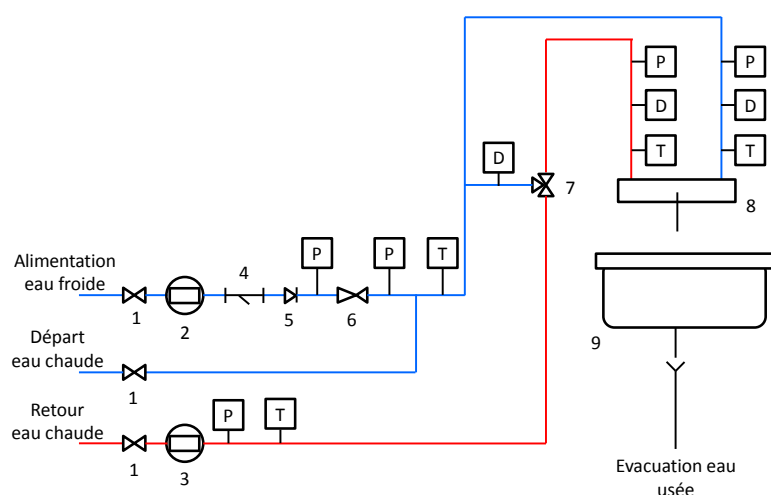
The robust design of this equipment makes it perfectly suited for school use.

Its anodized aluminum structure on wheels makes it very robust as well as great flexibility of integration into your premises.

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

## Illustrations

## Technical specifications



1. Supply ball valve
2. Cold water meter
3. Hot water meter
4. Strainer
5. Pollution control valve
6. Pressure reducer
7. Safety thermostatic mixer
8. mixer faucet
9. Stainless steel bin with siphon

- P. Pressure manometer  
D. Float flow meter  
T. temperature manometer

Includes: desbordes flowmeter:



## Specifications of the installation

## Documentation

- Cold water supply: 15L / min - 3 bar - 20 °C
- Hot water supply: 15L / min - 3 bar - 60 °C
- Water disposal: at ground level
- Dimensions (LxWxH mm): 1000X800X1600
- Weight (Kg): 90

- Instruction manual
- Technical file
- Practical work
- EC Certificate of conformity

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

## Additional compatible equipment

- DHW tanks DIDATEC
- Boiler with DHW production DIDATEC