TIF100

DOMESTIC HOT AND COLD WATER SYSTEM

Experimental capabilities

- **Establish the energy balances of the various elements and of the system.**
- **Analyze the technology, the operation and the performances of a sanitary installation.**
- **Analyze the technology and the operation of a regulation.**
- **Configure the equipments.**
- **Realize the impoundment and the drainage all or part of the installation.**
- **Perform disassembly and reassembly of the devices.**
- **Carry out the purging and drainage operations.**
- **Realize the balancing of the loop HWC with fixed and mobile devices.**
- **Make adjustment of the equipment and the devices.**
- **Measuring the effects of the expansion of the DHW.**
- **Temperature and flow rate measurement at strategic points of the installations.**
- **Check the functionality of all the devices of the installation.**
- **Making the electrical wiring as well as all the usual verifications.**
- **Implementation of electrical hazards instructions.**

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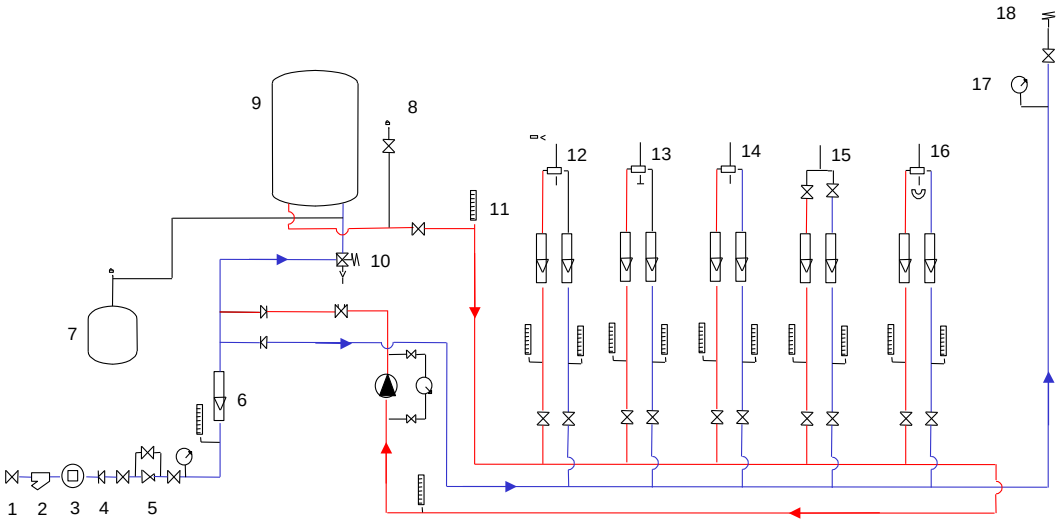
Operating principle

Storage tank and DHW preparation dual voltage of 50 liters.
DHW circulation pump.
Water pressure regulator reducer.
Plateau in melamine (kitchen model) with 5 single basin equipped with different types of siphon.
Different types of fittings.
Balancing valve with flow rate measurements taken with probes and mobile digital devices.
Isolation valves of spherical type.
Water supply complies with regulations in force.
Electrical control box with relay-peak hours.
Copper piping and removable fittings.
Transparent PVC piping for the evacuation.
Air drain traps manual and automatic
Primary ventilation clog manually.
Fixed device of temperature reading (alcohol thermometer) of pressure (needle manometer) and flow rate measurement (rotameter float type).
The robust design of this device makes it suitable for use in schools.
The equipment is set up on an Anodized aluminium frame on casters wheels. This gives it great strength and a flexibility of integration into your premises.
The manufacture of this equipment complies with the European standard for machinery manufacturing.
This equipment can be used alone or with other compatible equipment from our range (see last section of this document).

Illustrations
Technical details



1 : Vanne de service	7 : Vase d 'expansion sanitaire	13 : Robinet mitigeur simple
2 : Filtre à tamis	8 : Dégazeur	14 : Robinet mitigeur thermostatique murale
3 : Compteur d 'eau	9 : Chauffe eau	15 : Robinet mélangeur EC + EF
4 : Clapet anti-retour	10 : Groupe de sécurité	16 : Robinet mitigeur temporisé
5 : Détendeur	11 : Thermomètre	17 : Manomètre
6: Débitmètre	12 : Robinet mitigeur à détection de présence	18 : Anti-coup de bélier

Services required

- Electrical supply : 230Vac – 50 Hz
- Water supply : network
- Water drain : on the floor
- Dimensions: (LxWxH mm): 3065 x 2000 x 1920
- weight (Kg): 250

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

Documentation

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

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