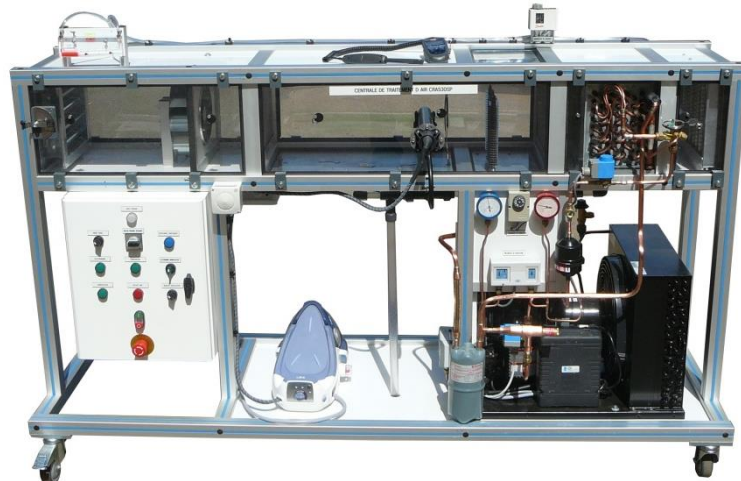


BASIC AIR HANDLING UNIT



Experimental capabilities

- Study of the components of an installation
- Operation in heating or cooling (refrigerant)
- Determination of the heat balance.
- Effect of the air velocity.
- Study of the psychrometric transformations on the humid air diagram.
- Effectiveness of the exchanges.

Operating principle

The air conditioning study unit is delivered complete, instrumented with technical handbook and practical work.

The operation is identical to the sets of larger capacity.

Treatment zone in depression.

Measurement of what enters, what happens and what comes out.

Housings of transparent treatment.

Easy access to components

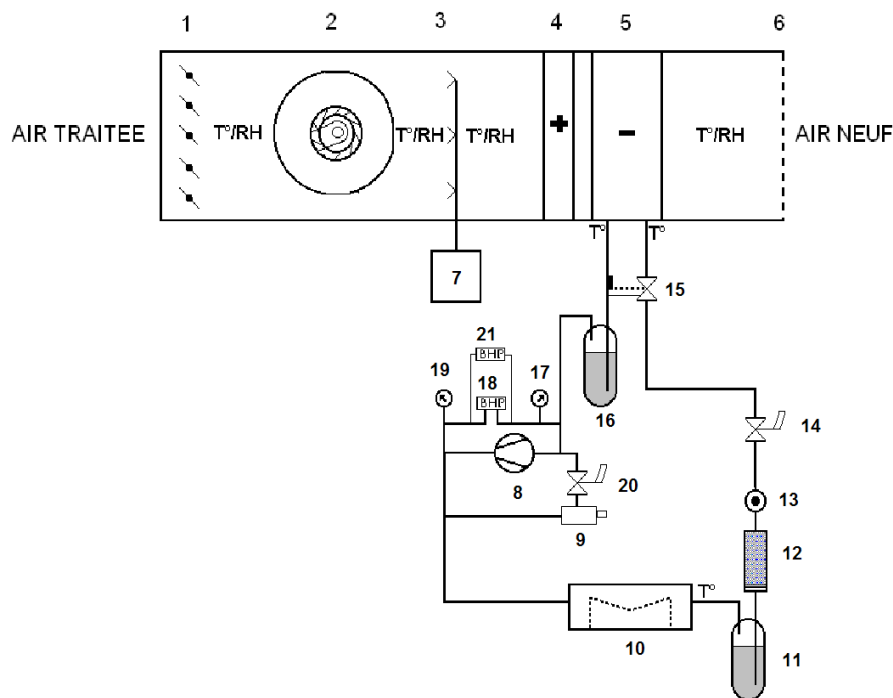
Use of R134a refrigerant complies with the new standards of refrigerants

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).



Landmark	Designation
1	Air outlet flap preheating battery
2	Ventilation box 500 m ³ /h 1450 rev/ min
3	humidification box
4	heating battery 1.5 kW
5	Cold battery with direct expansion 2 kW
6	Filtration box gravimetric coarse air inlet and end opacimetric
7	Production of steam
8	Hermetic compressor R134a
9	Regulator of capacity type KVC
10	Condenser with forced air convection
11	Bottle liquid reservoir
12	Dehydrator filter
13	Liquid LED
14	Liquid line solenoid valve
15	Thermostatic valve with external pressure equalization
16	Suction line accumulator
17	Low pressure manometer
18	Handset security pressostatic
19	High pressure manometer
20	Regulator solenoid valve capacity
21	Pressostatic regulating handset

Services required

- Electrical supply :230 Vac – 50 Hz – 32 A
- Water supply : 1 L/min –
- Dimensions: (LxWxH mm): 2000 x 650 x 1470
- weight (Kg): 100

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
- Lab exercises
- Certificate of conformity CE

Options included

- 1 thermo hygrometer with probe
- 1 anemometer