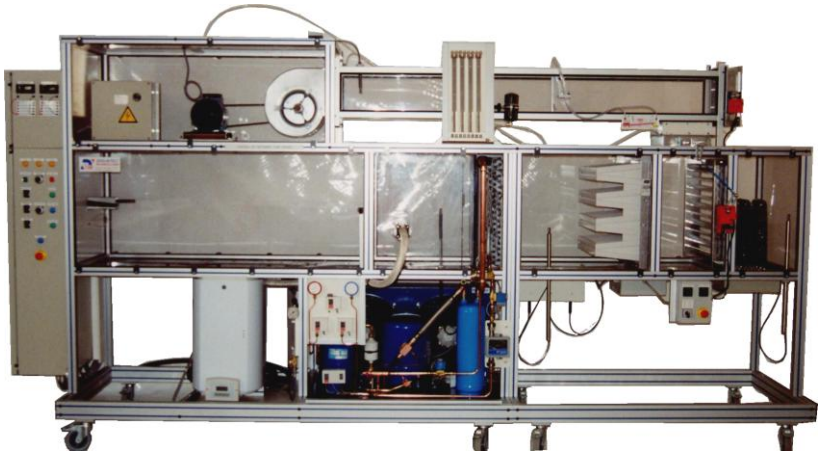
CRA 550

DIDATEC TECHNOLOGIE

Air treatment unit

DESCRIPTION

- **The air treatment unit comes complete with instrumentation and includes a technical and instruction manual.**
- **Components meet industrial standards.**
- **Operation of unit is similar to equipment of greater capacity.**
- **Zone of depression treatment.**
- **Mixing chamber through aspiration**
- **It is possible to measure what goes in, passes through and goes out.**
- **Transparent treatment chambers.**
- **Easy access to the components.**
- **Use of the refrigerant R 134 a as required by European standards.**



SUGGESTED APPLICATIONS

Study of an installation's components
Operation in heating or refrigerating (refrigerating fluid)
Determination of the thermal results
Influence of the ratio of new air / recycled air
Influence of air speed
Study of changes in relative humidity
Efficiency of the exchanger
Loss of charge of the different elements.

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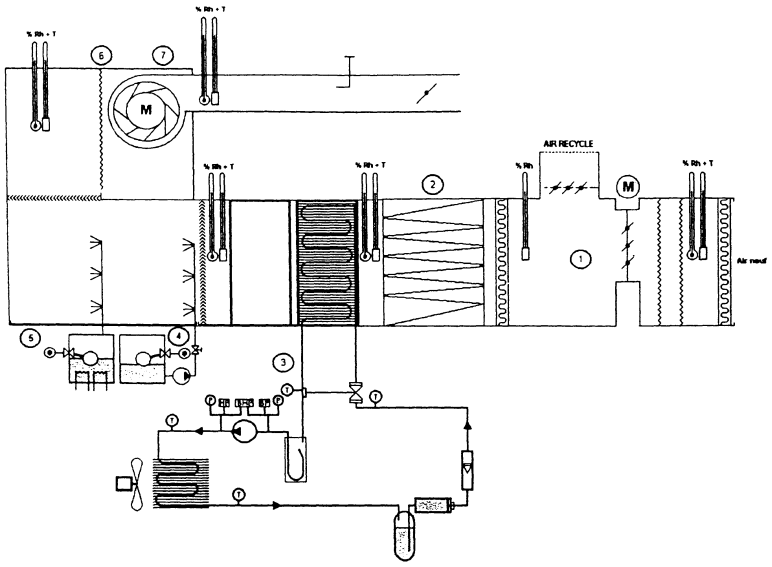

1. Mixing chamber
New air with simulation resistances of inlet temperature 2 x 6 kW
Recycled air
Command by servo engine with opening indicator
Protection elements

2. Filtration
Rough gravimetric filter
Opacimetric fine filter

3. Refrigeration
R 134 a fluid
Evaporator settled in the chamber - power 13.5 kW
Condensor outside
Compressor, liquid tank, dehydrator, shock proof liquid bottle
Recuperation tank of condensates

4. Adiabatic washer
3 pulverisation buses
Adjustable pressure and flow maxi 40 L/min - 3.3 bars
Transparent buffer tank and recuperation tank

5. Dried vapour humidifier
Capacity : 6 kg/h
Regulation and controller with digital display
Recuperation tank

6. Electric battery
Antifreeze function
Preheating function
Heating 2 x 6 kW function

7. Fan
Nominal flow : 2000 m^3/h
Nominal speed : 1400 tr./min
Speed variator
Programmable flow and flow variations
Outlet valve.

8. Instrumentation
Five temperature measurements
Five relative humidity measurements
An eight column manometer in order to measure 8 ΔP on the veine
A Pitot Tube
Portable thermometer and contact probe
Refrigeration fluid flowmeter
High pressure manometer
Low pressure manometer
High pressure controller
Low pressure controller
Combined pressure controller
Pump down regulation thermostat

9. Separable chassis in two parts independently transportable
Dismountable and transparent lateral pans
Cross section

10. Additional equipment
Iced water battery
Flowmeter to adiabatic washer pump discharge

UTILITIES

Electricity : 400 V three-phase - 55 A
Clear water arrival : 5 L/min
Condensates departure

DIMENSIONS

Length : 4230 mm - Width : 790 mm
Height : 1990 mm - Weight : 450 kg