

Before installing the equipment

The equipment is to be installed and serviced exclusively by technical personnel who are qualified for using this type of machine, in compliance with the relevant local and national regulations.

On receiving the equipment, check its state ensuring that it was not damaged during transport. Refer to the associated technical sheets for the installation and use instructions of any accessories.

INTENDED CONDITIONS OF USE AND OPERATING LIMITS

No responsibility is assumed if the equipment is installed by unqualified personnel, if it is used improperly or under inadmissible conditions, if maintenance is not performed as envisaged in this manual or if original spare parts are not used. For the operating limits please refer to the appropriate chapter. Any other use is considered improper.

Keep the equipment inside the packing until it is ready to be installed so that dust will not infiltrate.

Air sucked by the equipment must always be filtered. Use, when possible, the specific accessories.

If not used during the winter, drain the water from the system to prevent damage caused by the formation of ice. If antifreeze solutions are used, check the freezing point.

Do not change the internal wiring or other parts of the equipment.

INSTALLATION WARNING:

On the thermal-ventilating unit install a switch (IL) and/or all remote controls in a position out of the reach of persons who are in a bathtub or shower.

The FWN units may be installed either in horizontal or vertical position. Check that the desired installation complies with one of the diagrams shown in the installation manual, in which both possible configurations, AA or AB, are suitable to work for heating and cooling.

AA (INTAKE IN LINE - DELIVERY IN LINE)

AB (AIR SUCTION AT 90° - AIR OUTLET IN LINE)

CONFIGURATION of the unit

The units are always supplied in AA configuration, but the air intake position may be changed during the installation.

FIXING the unit

Fix the standard unit to the ceiling or wall using at least 4 of the 6 slots.

For horizontal installations (ceiling-mounting) it is advisable to use M8 threaded bars, screw anchors suitable for the machine's weight, and to arrange for the positioning of the machine using 2 M8 bolts and a washer the diameter of which is suitable for

Before tightening the check nut, adjust the closing of the main nut so that the equipment will slant correctly, i.e. for facilitating the discharging of the condensate.

The correct slant is achieved by tilting the intake downwards as compared to the delivery, until a difference in level of about 10 mm is obtained from one end to the other. Make the hydraulic connections with the heat exchanger and, for cooling operations, with the condensate discharge.

Use one of the two drains of the auxiliary tank, visible on the outside of the unit's side panels and vertical condensate discharge.

For vertical installations (wall-mounting), fix the unit so that water may flow out toward the condensate discharge used. A slant equivalent to a difference in level of about 5 mm is enough between the two side panels.

The two condensate discharge tubes of the main tank are located inside the side panels and may be accessed through a membrane type passage that should be perforated for passing the discharge tube through it. It is advisable not to remove the aforesaid passage because it prevents the sharp edge of the hole on the side panel from damaging the condensate discharge tube over time.

To connect the unit to the condensate discharge line, use a flexible rubber tube and fix it to the chosen discharge tube (f 3/8") by means of a metal clamp (use the discharge that is located on the hydraulic attachments side). To assist the draining of the condensate, slant the discharge tube downwards by at least 30 mm/m making sure that its entire route is clear and free from bends or blockages.

A few rules to follow

Carry out the heat exchanger's air exhaust, with pumps stopped, by means of the air valves located adjacent to the attachments of the heat exchanger itself.