# DAT-TECH UNIT

DAT-TECH unit is generally placed at the back of the proofing chamber and fixed with screws. It requires to be connected to the water system and electric local plant.

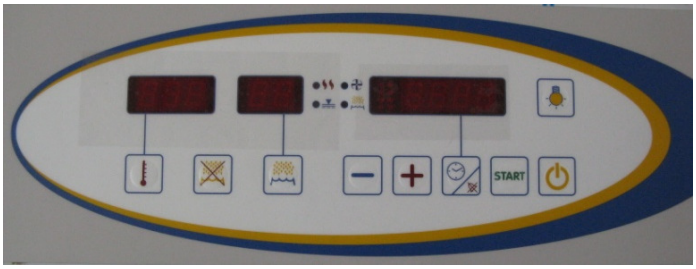
Its maximum sizes are mm. 1900x550x180 and it is completely built in stainless steel AISI 304; it is easy to assembly and to make any kind of maintenance .

It is sufficient to remove frontal panels to operate any substitution of malfunctioning parts. Steam and heat production take place entirely in the chamber and this reduces electricity consumption because the losses are minimal.
The unit operates on 220/380 volt current (three-phase) at 50/60 Hz and has a power consumption of 6 kw.
DAT-TECH is so easy to install that makes of him a unit highly recommended in case of necessity to heat already existing rooms. Its new design facilitates any operation of regulation, cleaning and maintenance. The lower grid allows to direct air flow in any direction depending on the needs and on the shape of the environment to be treated.

The obturator allows you to manage the intake air flow without compromising the proper functioning of the fans.

The front cover can be disassembled without the use of any tool and allows you to check and clean the internal part and the vaporization tank.

Every DAT-TECH unit allows to the conditioning of more or less 10/12 mc. and grants an excellent stability of environmental conditions created (you can set the threshold of intervention of the electronic controller).




Electronic control panel with three multilingual display and microprocessor logic. Parameters setting and programming are very simple and clear.

The temperature probe is a KTY model while the humidity one is a microprocessor with exit in electric current (4÷20mA) model with transducer in techno-polymerous on glass. The uniformity of internal climatic conditions during periods of achievement of set point, is guaranteed by the fans operations.

Activation of the heating loads of intelligent type with the possibility of discriminating operation of the loads of heating and vaporization at the same time, or giving priority to the first heating.
This allows you to limit unwanted condensation on interior walls. Eight leavening timers and a weekly clock will give to you the possibility to program daily or weekly the automatic switching of the proofing chamber.

Heater and steaming unit with body shell made of stainless steel AISI 304 SB finishing.
Double insulation offered by sheet of air running between the heat exchanger compartment and the chamber to avoid excessive heating of the body shell.

Heating supplied by resistances in stainless steel AISI 304 with vulcanized terminals and cables in rubber-silicone inserted in the heat exchanger. Specific heating power below 7.0 W/cmq. Total heating power of 3000 W. Activation of heating resistances is handled by a microprocessor. In case of overheating, a security thermostat pad-type with automatic switch in low voltage (24Vac) isolates the heating system until the temperature of the exchanger does not drop to less than 55 °C.

Low prevalence ventilation is supplied by two pressing axial engines varnished with epoxy powders.

Suction *out of product* with a double exchange air circulation. The treated air doesn't get in direct contact with the product , but is pre-mixed using a laminar airflow and the Venturi effect.
The fan rotation speed is controlled by a microprocessor.