

Technical specification washer disinfecter LAB 1000

LABORATORY WASHER DISINFECTOR

LAB 1000 large capacity glassware for organizations that need a centralized washing area, separated from the laboratory. LAB 1000 is organized as a single door or pass-through to receive glassware on carts, which after the cleaning and drying process will be transferred back to the laboratory for re-use.

External dimensions 1140x915x1900h mm (with door closed)

External dimensions 1140x915x2355h mm (with open door)

Washing chamber dimensions 710x810x900h mm

Max trolley dimensions 650x790x675h mm

Height of trolley sliding level 850 mm

Chamber capacity 500 lt.~

Basket capacity 350 lt.~

Electrical connection 400Vac3N 50Hz, on request special electrical connection available

Electrical tank heating kW 18

Washing circuit with two pumps for a total of kW 1,4 – 500+700 lt/min

Additional boiler of kW 18 (with capacity of 18 or 45 lt.)

Total power kW 20,0

Water connection: cold, warm, demineralised

Following EN ISO 15883-1/-2 rules

- washing chamber entirely made in stainless steel **AISI 316L**, corrosion proofing
- construction system with total removal of angle and breeding ground dirty
- self cleaning tank with rounded edges
- water filtering system in three levels for an excellent washing result
- Automatic motorized double door with vertical sliding and safety device.
- Door made in HST tempered glass
- Frontal loading and pass-through baskets with division between soiled and clean side.
- Baskets injection connection system to the washing water pipe sending water directly into objects hollow to be treated in order to guarantee also the thermodisinfection.
- Automatic identification of the baskets' type which guarantees the observance of washing rules.
- Sensor for the correct positioning of basket
- Start cycle through an automatic reading of magnetic code.
- Double washing pumps, one for the double arms feeding and the other for the injection baskets system.
- Self-emptying pumps with a complete residual water discharge
- Thermodisinfection by gaining the temperature of 93°C and with its holding for a programmable and various time, for each single cycle, in order to satisfy all enquiries of laws regarding thermodisinfection in the different countries.

- Temperature check by means of 1 PT1000 probes.
- Separate PT1000 probe, for disinfection and documentation control.
- Trolley system for loading/unloading of baskets in a rapid and flexible way, equipped with wheels and safety mechanism.
- Water load in tank checked by a volumetric system which allow the economisation of cycle consumption.
- Check pressure device of washing circuit.
- Equipped with 2 dosing pumps of chemical products, under a complete micro-processor control, with the possibility to modify the required products quantity in each cycle.
- Flow meters for checking and validation of chemical products quantity.
- Check of chemical products quantity, with minimum level alarm.
- Up to 4 containers for chemical products stored inside the machine base
- PLC microprocessor for total checking and displaying of single cycle phase highlighting the residual time.
- Complete auto diagnosis for an easy technical support
- 10 Pre-memorized programmes
- 50 additional programmes with self-programmating possibility.
- 5 service programmes
- Total check of phases regarding cycle, time, temperature, chemical dosing, water quantity, drying.
- PC connection to RS 232
- ETHERNET connection
- Connection to an external dosing chemicals system
- Password 2 levels to enter into programming
- Double colour display, "touch screen" type, with complete indication of machine functioning.
- Main switch for electrical feed
- Switch panel with alarm switch with manual unlocked.
- Exhaust air connection diam. 120mm, with condensate draining into the drain
- Drying unit of 500 mc/h, equipped with double filter:
- Pre-filter F-class
- HEPA Filter H14
- Heating power 7,8 kW
- Air drying distribution on double main for a perfect distribution on all chamber parts baskets level and/or injectors.

OPTIONALS

- Steam condenser, with condensate draining directly into the drain.
- "turbo" drying with hot air circulation
- Total or mixed steam feed
- Printing near machine for cycle validation and cycle traceability
- Separate washing rinsing
- Boiler for pre-heating DEMI water, with power of kW 18 (capacity 18 or 45 lt.)
- 3rd and 4th dosing pump for chemical products, complete flow meters quantity measurements and products check with an alarm for minimum level.
- Automatic system for loading and unloading baskets.