

## LAB 500 CL - LAB 500 CDL

### LABORATORY GLASSWARE

LAB 500 CL is specially designed for laboratories with limited space  
A powerful filtering air drying system is a feature of this under bench laboratory glassware washer.

Washing and air drying in two levels, normally seen on large machines, has been incorporated into this small model.

#### It guarantees:

- staff flexibility
- intense washing by injection procedure.
- intense washing of laboratory glassware
- HEPA filtered forced air drying system with adjustable time and temperature setting
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#### Washing programmes:

- are controlled by a new generation microprocessor, programmable with interface for PC connection and printing for cycle verification documents
- temperatures are recorded and checked by two independent probes
- are clearly displayed on the control panel with acoustic signals indicating any problems or failures
- 40 programs and LCD display

#### **The machines include the following features:**

- steam condenser built-in, with powerful washing pump (500 lt/min), water softener built-in (FOR MODEL LAB 500 CDL), drain pump
- automatic door locking during all washing cycles
- connection to warm, cold and demineralised water
- detergent and chemical additive dispensers
- hot air drying comprises:
  - 1 pre-filter with division level at 98% DOP (100 hours)
  - 1 filter with division level at 99,99%DOP ( 500 hours)-Optional

#### **The technical details of the machine are:**

- Washing chamber with rounded edges which guarantees a perfect liquid discharge entirely made in stainless steel Aisi 316L
- Easy access to all components for good maintenance
- Centrifugal pump of big capacity
- Excellent washing capacity due to a large amount of nozzles
- Triple water filtering system
- 2 washing impellers in stainless steel, equipped with an inspection system for cleaning check

- door opening with flap system
- watertight door
- baskets equipment in base of your specific requirements
- standard equipment of steam condenser and drying system with condensate recovery.
- Electronic temperature check to guarantee performance up to 93°C
- 5 washing programmes
- possibility to modify and adapt washing cycle
- 2 adjustable detergent dosing pumps
- automatic door locking during all washing cycles
- door opening at completed disinfection
- disinfection check
- acoustic alarms indicate faults
- electronic management of machine leads to a latest generation microchip; it is powerful and reliable offering numerous advantages such as easy programming and self diagnosis. It can also given functioning and use statistics, producing historical events
- front panel switch with beating 24V
- Interface with PC to RS232 communication with the possibility to print historical events
- Memorisation cycle made with registration of events on print or PC (Optional)
- Noise level 58 dBA
- Total insulation which allows an external machine temperature lower than 42°C.

## **TECHNICAL INFORMATION LAB 500 C - LAB 500 CD**

### **Dimensions**

- **Width**..... 600 mm
- **Depth**..... 630 mm
- **Height**..... 840 mm
- **Net weight**.....90 kg
- **Gross weight**..... 97 Kg.
- **Basket Volume** .....lt. 151 540x500x540 H mm

### **Connections**

- **Drain connection**.....diam. 25 mm
- **Electric connection**.....400V./3+N/50Hz  
230V./3/50Hz  
415V./3+N/50Hz
- **Power**.....5600 W
- **Pump power**.....550 W
- **Hydraulic connection cold water**.....3/4" GAS
  - **Min./max pressure**.....1,0 / 5,0 bar
  - **Maximum capacity**.....24 lt/min. at 2 bar
  - **Min./max temperature**.....+10°C / +15°C
- **Hydraulic connection warm water**.....3/4" GAS
  - **Min./max pressure**.....1,0 / 5,0 bar
  - **Maximum capacity**.....24 lt/min at 2 bar

**Min./max temperature.....+40°C / +55°C**

- **Noise.....58 dB (A)**
- **Min./max room temperature admitted.....+5°C / +40°C**

**OPTIONALS:**

- **additional dosing pump (max. 3 pcs)**
- **additional power supply 8 kW**
- **Air filter 99,999% DOP**
- **Thermic print**
- **Socket mm 600**
- **Glass window door in HST temperate glass**