

Series **ML50** Thermal disinfecting  
instrument washers



CE  
0051

**colussi**

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CSQ  
MED  
ISO 13485

CSQ  
ISO 9001

Net  
THE INTERNATIONAL CONNECTION NETWORK

## General features

- The control system on these instrument washers is based on a PLC microprocessor and a recording system, independent from the control system, interfaced with a display installed in front on the appliance. The display shows the various programs, process phases, temperature and any irregularity on the equipment;
- the control system is provided with 20 cycles which can be stored and/or modified directly by the customer. The modification of the programs requires a password supplied to the operating personnel.

## Construction characteristics

- Washing chamber completely of AISI 316 stainless-steel construction; tank provided with electrical heating elements to heat the process fluids;
- construction system with complete elimination of dirt-trapping corners and recesses; self-cleaning tank with rounded edges;
- bottom-hinged stainless-steel door opening manually;
- washing circuit ensuring a suitable flow of water to the nozzles on the washing rotors;
- self-draining pumps with complete elimination of residual water;
- three-stage filtering system;
- injection system for coupling the baskets to the washing water conduit to inject water directly into the recesses of the objects being treated;
- control of quantity of chemical products, with minimum-level alarm;

- thermal disinfection through heating at a temperature of 93°C held for a variable programmable time for each individual cycle, so as to meet the legal thermal disinfection requirements applicable in different countries;
- total control of cycle phases, times, temperature, quantity of chemical products, and quantity of water used;
- temperature control through two PT 1000 class B heat probes;
- backlit display placed on the loading side of the appliance;
- PC interface channel for RS 232 communication based on Modbus protocol;
- separate PT 1000 class B heat probe for control of thermal disinfection.

## Accessories

- Glass door;
- external printer for validation and traceability of cycle;
- chemical product flow meters;
- HEPA 99.999% air filters;
- demineralized water connection;
- cabinet base with Width x Height x Depth of 900 x 600 x 560 mm;
- metering pumps for supplementary chemical products, complete with flow meter (maximum 2);
- independent recording system;
- conductometer;
- the appliance can be provided with 8 kW power supply;
- demineralized water boiler;
- wide range of baskets and inserts.

Mod. ML50DRS  
with door open



Mod. ML50



The appliances are designed and built in compliance with EEC 93/42 Directive, and in accordance with CEI EN 61010-1 and CEI EN 61010-2-045 technical standards of safety and the prEN 15883-1 and prEN 15883-2 technical performance design codes.

## TECHNICAL DATA

MODEL	ML 50	ML 50 D	ML 50 DRS	ML 50 DRSD	ML 50 DRSD4
Chamber dimensions WxHxD [mm]	540x510x550	540x510x550	540x510x550	540x510x550	540x510x550
Chamber volume [l]	160	160	160	160	160
Overall dimensions WxHxD [mm]	600x840x630	600x840x630	900x840x630	900x840x630	900x840x630
Built-in water softener	No	Yes	No	Yes	Yes
Drying	heating elem.	heating elem.	forced air	forced air	forced air
Metering pumps	2	2	2	2	4
Power supply*	3x400V + N + T - 50 Hz				
Power input [W]	5600	5600	5600	5600	5600
Noise	In compliance with CEI EN 61010-1 and CEI EN 61010-2-045 technical prescriptions				

\*Other power voltages and frequencies available on request.

The information contained herein can be modified by the manufacturer at any time and without advance notice. Therefore, this information is not to be used for dimensioning, design and other such purposes. If necessary, request the installation manual and drawings directly from the manufacturer.