

Series **ML60** Thermal disinfecting
instrument washers



CE
0051

colussi

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CSQ
MED
ISO 13485

CSQ
ISO 9001

Net
THE INTERNATIONAL CERTIFICATION NETWORK

General features

Appliance for the complete washing and drying treatment of medical instruments for the following fields of application:

- Surgical instruments;
- MIC instruments;
- Anesthetics instruments;
- OP clogs;
- Feeding bottles;
- Laboratory glassware.

The control system is based on a PLC microprocessor and a recording system, independent from the control system, interfaced with a display installed in front of the appliance. The display shows the various programs, process phases, temperature and any irregularity of the equipment.

Standard process programs

- Fast cycle
- Standard cycle
- Intensive cycle
- Another 17 storable and/or user-controlled cycles are available. The modification of the programs requires a password supplied to the operating personnel. The range includes:
 - one-door or two-door models with a loading capacity of: 8 DIN 484x254x50 mm baskets, or 8 DIN 540x254x50 mm baskets, or 4 ISO 485x344x50 mm baskets, or 1 DIN 300x600x150 mm container.

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 with window made of HST tempered glass; the door opens 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;
- 2 microprocessor controlled chemical product dispensers, with the possibility of modifying the quantity of chemicals required for each cycle;
- control of quantity of chemical products, with minimum-level alarm; 2 chemical-holding vessels;
- thermal disinfection through heating at a temperature of 93°C held for a variable programmable time for each single cycle, so as to meet the legal thermal disinfection requirements applicable in different countries;
- total control of cycle phases, times, temperature, quantity of chemicals, quantity of water used, and drying cycle;
- temperature control through two PT 1000 class B heat probes;
- backlit display placed on the loading side of the appliance;
- separate PT 1000 class B heat probe for control of thermal disinfection;
- drying unit of 150 m³ /h capacity, with double air filter;
- double-stream drying-air distribution for a perfect flow throughout the chamber and basket levels and/or injectors;
- built-in steam condenser, with direct drainage of condensation;
- built-in water conditioner.

Accessories

- Printer on appliance, for validation and traceability of cycle;
- pure water connection (osmotic);
- third and fourth metering pumps for chemical products, complete with flow meter;
- HEPA H14 filters;
- demineralized water boiler;
- wide range of baskets and inserts.

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 60 N	ML 60 P
Chamber dimensions WxHxD [mm]	540x540x590	570x630x900
Chamber volume [l]	180	180
Overall dimensions WxHxD [mm]	600x1700x660	600x1700x660
Height of trolley sliding level [mm]	850	850
Number of doors	1	2
Water supply (standard)	Hot, cold, demineralized	Hot, cold, demineralized
Power supply*	3x400V + N + T 50 Hz	3x400V + N + T 50 Hz
Power input [kW]	8	8
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.