AUTOMATIC BEDPAN AND URINAL WASHERS
MODEL LP/IN90-S/D/T.A. SELF-PRODUCED STEAM DISINFECTION

Device operating with a water network pressure ranging between 2 and 9 bar. Equipment specifically built to empty, wash, rinse, thermally disinfect and partially dry bedpans and partially dry bedpans and urinals. **Structure in AISI 304 stainless steel.**

Main element with a front folding door, controlled by shock absorbers. Bedpan hooking and locking bedpan device suitable for all types of bedpans and clinical containers, mounted on the door and meant for emptying during the closure. An electro-lock is intended to prevent the operator from opening the door during the operation or in case of failure. Stainless steel **AISI 316 washing chamber moulded without weld** equipped with **n. 2 rotating nozzles and n. 4 fixed nozzles** stainless steel meant for washing and rinsing bedpans. Independent jet for washing urinals internally and externally. Steam delivered by a proper nozzle. Water storage tank having a capacity of 15ltr, electronic probe level.
Side element including the solenoid valves for the inlet of hot and cold water from the water network, electronic central unit for function remote control switch of resistances for steam production. Front panel with a back lighted alphanumeric liquid crystal display complete with a cycle start key, a key for the selection of cycle options and two keys for programming functions, a serial plug intended to download stored data (temperatures, failures, number of washings, cycle date/time). Mushroom-shaped emergency button with a manual lock and reset device. Power supply of control devices at a 5V dc very low safety voltage. Steam produces and safety thermostat that can be manually reset, Gebreit drain trap, dia. 90mm., anti-limestone liquid drum with aspiration and a minimum level control, anti-limestone liquid dosing pump. Washing motor-driven pump 0.8kW 230V.

The automatic washing, rinsing and disinfecting cycle, with the possibility of time regulation, is electronically programmed. It consists of the following phases that are automatically executed after the start button has been pressed:

- Loading cold water in the storage tank
- Washing with cold water
- Loading hot water in the storage tank
- Rinsing with hot water
- Steam disinfection up to the attainment of the settled temperature or Ao Value (SEE NOTE 1)
- Cooling the containers by cold water

The equipment enables the operator to choose at the start-up the washing and disinfecting cycle most suitable for the needs of the type of container you wish to wash. Three basic cycles are available with some possibilities of customization. The features are listed in details here below:

**SHORT CYCLE:** it is intended to rinse with hot water with the possibility of adding a detergent/chemical disinfectant, followed by steam disinfection. Suitable for urinals or other containers that are not too dirty.

**NORMAL CYCLE:** it is intended to pre-wash with hot water and to rinse with hot water with the possibility of adding a detergent/chemical disinfectant, followed by steam disinfection. Suitable for urinals or other containers that is not too dirty.

**INTENSIVE CYCLE:** It is intended to pre-wash with hot water and to rinse with hot water with the possibility of adding a detergent/chemical disinfectant, followed by steam disinfection. Suitable for bedpans, close-tools, chamber pots or other containers.
**INTENSIVE CYCLE:** It is intended to pre-wash with cold water, to wash with hot water and to rinse with hot water with the possibility of adding a detergent/chemical disinfectant, followed by steam disinfection.

Total installed power: 4kW

Maximum power absorbed by the steam producer: 3kW.

Our bedpan washers have the EC Mark and comply with the following directives: 93/42 EEC class II (Non-invasive medical device), 89/392 EEC, 89/336 EEC, 73/23 EEC, as well as the following harmonised standards, CEI EN 61010-1, CEI EN 61010-2-045, EN 61000/3-3, EN 55104, EN15883 PART 1-3.

Please note: The bedpan washer is supplied with the first METALCAL filling (anti-limestone product).

**Feeding voltage:** 220V 1F + N + T

**Feeding on request:** 380V 3F +N +T

Equipment sizes in mm. 900 x 460 x 1000 h.

**NOTE 1**

The system, as required by the EN ISO 15883, is endowed with a double sensor of temperature (process sensor and control sensor), which provides to signal the anomaly in case the read temperatures differs of +/− 2°C, besides the operator can choose to perform the cycle with priority to temperature or priority to A0 value, moreover can set the A0 value and the temperature of disinfection.

With the priority method A0, the equipment calculates the instant value during the phase of temperature rising, and it arrests the disinfection to the attainment of the preset A0 value (the A0 value established by the norm for human waste containers shall be at least 60).

The cycle with temperature priority foresees that the disinfection is performed up to the attainment of the temperature and the time settled, at the end of which the A0 value reached is showed on display card, which has to be equal or superior to the value planned.

**NOTE 2 DETERGENT PUMP**

The pump, after the programming of the output time and determinate the water quantity in the tank, add directly in the tank the detergent/disinfecting.
The function can be enable and/or disenable directly from display on the follow phases:

- Pre-wash, wash and rinse
- Only rinse

**NOTE 3 PUMP RINSE AID**

The pump, after the programming of the output time and determinate the water quantity and hardness in the tank, add directly the polishing for the phase of the final rinse, improving the phase of the drier and the elimination for the residual limestone.