N. 1 COMPOSITE WASHING UNIT MODEL LPIN60V

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 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 AISI316 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 15lt, 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 control, remote control switch of resistances for steam production. Front panel wit 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 producer and safety thermostat that can be manually reset, Geberit drain trap Dia. 90mm. anti-limestone liquid drum with aspiration and minimum level control, anti-limestone liquid dosing pump. Washing motor-driven pump 0.8 kW 230V.

The automatic washing system, 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 with automatic calculation of A0 and following drying
- 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 a steam disinfection. Suitable for bedpans, close-stools, 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 a steam disinfection

Total installed power: 4 kW

Maximum power absorbed by the steam producer: 3kW

Out 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, 73/23 EEC, as well as the following harmonised standards CEI EN 61010-1, CEI EN 61010-2-045, EN 61000/3-2, EN 61000/3-3, EN 55014, EN55104, EN 15883 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 900.
- **EMPTY UNIT/SLOP HOPPER MODEL 020**

  Completely made in stainless steel AISI 304. Moulded sink mm. 400x400x200 h. complete with n. 4 spraying nozzles. Hand operated tap and quickly tap for operation of nozzles. Complete with siphon, removable grill. Closed on the perimeter, on the front removable panel. **Dimensions mm. 500x600x900 h.**

- **SINK MODEL 021-600**

  Built with AISI 304 18/10 stainless steel; 1.2mm and 1.5mm thickness. Hygienic and bactericide worktop. Sink equipped with basin mm. 500x400x250 complete with drain, trap and distributor/mixing unit with elbow control. Back riser 100mm height. The area below is closed on both sides, has a front wing door and is open on the rear to receive water connections. **Dimensions mm 600x500x900 h.**

  Total dimensions 2000x600x900

**OPTIONAL DEVICES**

- Disinfecting/detergent pump provided with min. level signalling Instr. (SEE NOTE 2)
- Additive pump rinse aid (SEE NOTE 3)
- Double support frame for n. 3 bottles and/or 2 lt. container
- Obstructed drain trap

**NOTE 1**

The system, as required by the 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 + or – 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 value established by the norm for human waste containers shall be at least 60). The cycle with 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 if 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 enabled and/or disabled directly from display on the following phases: pre-wash, wash and rinse and rinse only.

NOTE 3 PUMP AND 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 of the residual limestone.

The function can enable and/or disenable directly from display.

KENT BEDPAN UNITS TYPICAL COMPOSITE OF VARIOUS MODELS
Various Floor and Wall mounted versions

Automatic and manual opening/closure

Touch less sensor

Fixed and rotating nozzles

**Supplied/Commissioned/Serviced and on site Training by Kent Certified Technicians **Working DEMO Model in Kent Showroom**