

BP 100 HLA

Automatic bedpan washer



BP 100 HLA is a multi-functional aid capable of holding all the receptacles commonly used in hospitals such as bedpans, urine bottles, suction bottles, buckets...

The characteristics of this bed pan washer **improve the working condition, optimize the cleaning results and reduce drastically the risk of contamination.**

An infrared proximity switch or a foot pedal make it easier for the operator to open and close the sliding door automatically, **avoiding any physical contact with personnel.**

The machine is **equipped with a rotating holder to ensure an easy and safe loading avoiding any risk of spillage.** The holder/support rotates automatically to empty items only after the door is completely closed and then the machine starts the washing cycle.

General description

Dimensions

External WxHxD:
600mm x 1750mm x 610mm
(23.62" x 68.9" x 24")
Chamber volume:
74 lt (19.54 gal.US)

Capacity

Simultaneous treatment of up to 1 bedpan, bucket or suction bottle and up to 2 urine bottles. Capacity depends on the size and shapes of the model that are used and a wide range of supports is available following the containers which are most commonly used in the different countries

Net weight : 150 kg

Sound level: < 70 dB(A)

Standard compliant

Steelco Flusher Disinfectors are designed and constructed to comply with the latest European and UK guidelines on decontamination EN ISO 15883-1/3, KIWA, CSA-US, EMC and SPRI

Steelco Flusher Disinfectors are classified CE Medical Device (Community rule 93/42/CEE) with code nr. 0051

Standard features

Frame and external panels

- Frame and external panels are made in AISI 304 stainless steel Scotch Brite finish
- Easy access to all inner components for easy maintenance

Door opening system

- Automatic motorized sliding down door opening through foot pedal or infra-red proximity switch and automatic door closing. The door is made of double HST (high shock tested) tempered glass with safety device

Soiled goods loading

- Soiled goods are loaded at an ergonomic working height of 820 mm (32.28")
- The machine is equipped with a rotating holder to ensure an easy and safe loading avoiding any risk of spillage



- The bedpan washer can process urine bottles, bed pans, suction bottles and buckets with the provided multifunctional rotating holder
- The holder/support rotates automatically to empty items only after the door is completely closed and then the machine starts the washing cycle
- Door closing is waterproof. The double glass construction isolates the washing chamber to reduce heat loss and noise

Components

- Constructed using stainless steel and other materials which are resistant against the effects of aggressive detergents

Washing system

- Water accumulator tank provided with level controls
- Tank water filling with "air break" system

- Washing chamber, washing circuits, tank and spraying nozzles made of high quality AISI 304 stainless steel
- Wash chamber press-forged in a single piece, with rounded edges to guarantee the perfect flow of the liquids. Constructed with smooth edges and corners to remove areas where dirt can accumulate allowing bacterial growth
- Optimal washing capacity thanks to:
 - n. 5 fixed bottom nozzles
 - n. 2 bottom rotating nozzles
 - n. 1 right-hand side rotating nozzle
 - n. 1 left-side rotating nozzle
 - n. 1 front rotating nozzle
 - n. 2 top rotating nozzles
 - n. 4 central rotating nozzles on multi-purpose basket

Washing pump

- High efficacy centrifugal washing pump 250 l/min (66.04 gal.US/min) flow feeding washing circuit
- Pump power 730 W

Incorporated steam generator

- 6 kW electric heating elements steam generator allowing to quickly reach the thermo-disinfection temperature inside the chamber
- Steam is distributed inside the chamber through the washing circuits and nozzles to assure at every cycle a perfect disinfection of the treated items, of the chamber and of the hydraulic circuits
- Thermo-disinfection temperature set point at 93°C (199.4°F)
- PT1000 temperature probe with safety over-temperature cut-out

Water inlet system

- Filters are installed on all incoming water lines. Filters can be easily removed for cleaning

Washing chamber cooling system

- Prevents vapors from entering into the washing area, operates at the end of the disinfection cycle by water nebulizing to cool down washing chamber at a set temperature (programmable)
- This system allows the decrease of the temperature of the treated items for operator safety

Chemical dosing

- Adjustable limescale dosing pump
- Automatic system for injecting limescale-remover into the generator in the case of long stoppages
- Chemical tanks can be stored inside the lockable cabinet on the machine basement

Microprocessor control system

- Machine functions are controlled by a programmable microprocessor
- 24V control panel with digit pressure function buttons
- 3 pre setted programs: short, standard and intensive. All programs perform washing, rinsing and thermo-disinfection phases

System Monitoring

- 32 characters monochrome LCD display shows at every moment of the ongoing treatment the indication of the treatment program, the working phase, the chamber temperature, A0 value during disinfection phase until the reach of the cycle completion
- Audible and visual alarms provide quality control for each wash cycle. Every alarm status is indicated by number and description
- RS 232 Port for printer connection to monitor and validate washing cycles
- Up to 1000 events memorization capability of the system for a standalone machine

Self-disinfection

- allows the machine to begin an automatic cycle of self-disinfection, settable at an established timetable.
- The self-disinfection cycle is not executed, if at the established timetable, the machine is found in the following situations:
 - The door is open
 - There is another ongoing washing cycle
 - The machine is turned offIn these situations, the self-disinfection is postponed to the next day.

Safety features

Locking Door

- Door closing safety system: a sensor stops the door movement if any obstacle is detected
- The machine door is safely locked when the machine is in operation
- Door opening is possible only when the cycle has been positively completed and after cooling phase or when the whole process has been manually aborted by the operator

Machine clogged drain prevention

- The machine drain is monitored by a dedicated sensor to stop cycle execution in case of clogged drain

Option features

Infra-red proximity switch

- Door opening controlled by infrared proximity switch

Detergent dosing pump

- One additional peristaltic pump for dosing a liquid chemical to meet specific wash requirements. Detergent injection is adjustable (time controlled) and can be temporarily excluded from the control panel
- Provided with chemical level sensor

Flowmeters

- Flowmeters for detergent and limescale dosing control

Additional temperature probe

- PT1000 temperature

Racks and holders

- The machine is equipped with a universal holder. Different racks and holders are available for washing and disinfecting small objects or other special needs

USB port

- For fast software uploads

Printer

- For validating treatment/disinfection phases with detailed information

Seismic Tie Down

- Anchors washer to floor

Cycle operation

Up to 10 pre-setted programs and 3 user programs.

All programs perform several washing, rinsing and thermo-disinfection phases and differ for the number and time length of the phases

- Thermo-disinfection is factory set at 93°C wash chamber temperature for 60 seconds. Parameters can be modified to reach different A0 values

Required utilities

Warm water

Cold Water

Drain Connection

Electrical requirements

- Total maximum power: 6.9 kW
- 400V/3~+N/50Hz
- 208V/3~+N/60Hz
- 480V/3~+N/60Hz
- other electrical connections are available to match electrical requirements of installation site