

BP 100 HXL

Large capacity bedpan washer disinfecter



BP 100 HXL is a high capacity, flexible load bedpan washer. It is made to hygienically handle and disinfect all reusable items such as bedpans, urine bottles, buckets and close stool pots. Both the patients and the nursing staff are assured to be hygienically secure.

This bedpan washer disinfecter is equipped with a soft touch control panel (touch function areas with status led) graphic colour display.

The control panel surface is made of a single glass surface for perfect cleaning and disinfection to assure the operator a better protection against contamination when operating the machine and selecting the cycle type.



General description

Dimensions

External WxHxD:

602mm x 1695mm x 560mm
(23.62" x 22.05" x 77.36")

Chamber volume: 65 lt (17 gal.US)

Capacity

Simultaneous treatment of up to 2 bedpans with lids and 2 urine bottles or 4 urine bottles or 1 close stool pot. Capacity depends on the size and shapes of the items that have to be treated

Net weight : 150 kg

Sound level: < 70 dB(A)

Standard compliant

BP 100 HXL is designed and constructed to comply with the latest European and UK guidelines on decontamination EN ISO 15883-1/3

Steelco Flusher Disinfectors are classified CE Medical Device (Community rule 93/42/CEE) with code nr. 0051 EN 1717 compliant

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

Insulation

- High performance polyethylene foam insulation guards against heat loss and to reduce noise level. Insulation allows an external temperature of the machine lower than 55 °C/131 °F.

Door opening system

- The door is made of AISI 304 stainless steel mirror polished on the internal side
- Door closing is waterproof. The double wall construction isolates the washing chamber to reduce heat loss and noise
- Manual door opening and closing. The door is spring counterbalanced for ease of operation, the opening angle allows the loading of urine bottles and bedpans without prior emptying them
- Soiled goods, without any previous emptying, are loaded at an ergonomic working height. The door acts as a loading platform and supports the bedpan/urine bottles holder. The closing of the door, automatically tips and empties pans and bottles

Multifunction support

- The washer is equipped with a universal holder. Different racks and holders are available for special needs
- An additional folding support on the back wall of the washing chamber is dedicated to the treatment of a bucket or of a close stool pot

Components

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

Washing system

- Water accumulator tank provided with level controls
- Tank water filling with “air break” system
- Washing chamber of high quality AISI 316 stainless steel, 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. The construction with smooth edges and corners removes areas where dirt can accumulate allowing bacterial growth
- Optimal washing capacity thanks to 7 fix nozzles, 4 rotating nozzles to washing the chamber and to reach all the recesses of the bedpans/urine bottles

Washing pump

- High efficacy centrifugal washing pump 90 l/min (23.77 gal.US/min). 3 bar flow feeding washing circuit
- Pump power 880 W

Incorporated steam generator

- 9 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
- At each cycle the steam generator guarantees a high level of hygiene of the entire washing circuit
- Thermal disinfection temperature settable. Standard setting is 91°C (195.8°F)
- PT1000 temperature probe with boiler 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)
- Max drain water temperature: 60°C 140°F

Chemical dosing

- Adjustable limescale dosing pump
- Automatic system for injecting limescale-remover into the generator in the case of long stoppages

- Chemical canisters can be stored inside the lockable cabinet on the machine basement

Microprocessor control System

- Microprocessor for total checking and displaying of single cycle phase with process residual time highlight
- 3 levels password protected programming
- A0 value can be displayed during the disinfection phase and is shown at the end of the cycle. A0 is settable according to different needs

System Monitoring

- Soft touch control panel (touch function areas with status led) made of a single glass surface for perfect cleaning and disinfection to assure the operator a better protection against contamination when operating the machine and selecting the cycle type
- The control panel display shows at every moment of the ongoing treatment with 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 a numeric code
- Up to 2280 cycles memorization capability of the system for a standalone machine
- TFT 3,5" – QVGA (320x240) graphic color display

Safety features

Locking Door

- The machine door is safely locked when the machine is in operation
- Door opening is possible only when the cycle has been positively completed 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

Optional features

Device main switch

- Connection for injection washing/disinfection

Detergent dosing pump

- One additional peristaltic pump for dosing a liquid chemical to meet specific washing requirements. Detergent injection is adjustable

Electrical heated drying and cooling fan system

- Allows all receptacles to be rapidly and hygienically cooled down

Hepa H14 air filtering system for air drying and cooling system

Emergency stop button with key

Independent monitoring system

ST2 integrated printer

- For validating treatment/disinfection phases with detailed information

RS232 port

- For printer connection to monitor and validate washing cycles

Seismic Tie Down

- Anchors washer to floor

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

Cycle operation

7 pre-settled programs:

- Short (plus half load cycle)
- Standard (plus half load cycle)
- Intensive (plus half load cycle)
- Clostridium

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

Thermal disinfection is factory set at 91°C wash chamber temperature for 60 seconds. Parameters can be modified

Required utilities

Refer to installation drawings for complete description of the required utilities

Warm water

Cold Water

- Drain Connection

Drain connection

Electrical requirements

- Total maximum power 9.9 kW
- Other electrical connections are available to match electrical requirements of installation site