

BP 100 H

Frontal opening bedpan washer



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

With the use of a removable dedicated support that can be placed on the bottom of the washing chamber, this device can be also used for washing and disinfecting bigger objects such as buckets.

This bedpan washer disinfector is configured as standard for manual door opening and closing, semi-automatic or fully automatic door operation is available as option.



BP 100 H
 manual (manual door opening / manual closing)
 or
 semi-automatic (automatic door opening / manual closing)

BP 100 HA
 automatic door opening / closing

General description

Dimensions

External WxDxH:

600x540x1460 mm

(23.62" x 21.26" x 57.48")

Chamber volume: 50 lt (13.2 gal.US)

Capacity

Simultaneous treatment of 1 bedpan with lid and 1 urine bottle or 2 urine bottles. Capacity depends on the size and shapes of the items that have to be treated

Net weight : 80 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

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

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
- 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
- Manual door opening and closing. The door is spring counterbalanced for ease of operation. Semi-automatic and fully automatic door versions available

Multifunction support

- The washer is equipped with a universal holder. Different racks and holders are available for special needs

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, 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 5 spray nozzles and a main rotating washing nozzle with a blade type water jet dedicated to washing

the chamber and to reach all the recesses of the bedpans/urine bottles

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

- 4.5 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

- Machine functions are controlled by a programmable microprocessor
- 24V control panel with digit pressure function buttons

- 3 pre-settled programs: short, standard and intensive. All programs perform washing, rinsing and thermal disinfection phases
- 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

- 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. Indications are displayed by text descriptions



- 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

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 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

Foot operated semi-automatic door: automatic opening, manual closing

- The door opening is controlled by a spring and counterbalanced for manual closing ease of operation

Foot operated fully automatic door: opening and closing

- The door opening and closing are controlled by a gear motor

Infra red proximity switch (for fully automatic door option)

- Infra-red proximity switch on the machine front panel allows machine door opening, closing and cycle start totally avoiding operator physical contact

Detergent dosing pump

- One additional peristaltic pump for dosing a liquid chemical to meet specific washing requirements. Detergent injection is adjustable. If the machine is equipped with the option LCD control panel, detergent injection can also be temporarily excluded

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

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

Emergency stop button with key

Printer

- For validating treatment/disinfection phases with detailed information

Independent monitoring system

IP44 Protection

Seismic Tie Down

- Anchors washer to floor

Emptiers

- Steelco emptiers are available in manual or automatic versions. The automatic version works by a control on the BP 100 front panel providing automatic drain and water sink rinsing

Cycle operation

3 pre-settled programs:

- Short
- Standard
- Intensive

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

Thermal disinfection phase 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

Electrical requirements

- Total maximum power 5.4 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