

BP 100

Frontal opening bedpan washer



BP 100 is a multi-functional aid capable of holding all the receptacles commonly used in hospitals such as bedpans, urine, 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 available in 4 versions:

BP 100 M (manual door opening/manual closing)

BP 100 A (full automatic door)



BP 100 M9

manual door
opening/manual closing
900 mm wide

BP 100 A9

full automatic door
900 mm wide

General description

BP 100 M, BP 100 A dimensions

External WxDxH:

600mm x 600 mm x 839mm

23.62" x 23.62" x 33"

Chamber volume: 63 lt (16,6 gal.US)

Capacity

Simultaneous treatment of 1 bedpan with lid and 1 urine bottle or 4 urine bottles. Capacity depends on the size and shapes of the items that have to be treated

Net weight: 87 kg (standard model)

Sound level: < 70 dB(A)

BP 100 M9, BP 100 9A dimensions

External WxDxH:

900mm x 600 mm x 839mm

35.4" x 23.62" x 33"

Chamber volume: 63 lt (16,6 gal.US)

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

BP 100 M versions

- Manual door opening and closing. The door is spring counterbalanced for ease of operation

BP 100 A versions

- Foot operated automatic door opening and closing. The door opening and closing are controlled by a gear motor

Multi-function 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 big rotating washing system 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 730W

Incorporated steam generator

- 4.5 kW electric heating elements steam generator allowing to quickly reach the thermosinfection 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 through peristaltic pump
- Automatic system for injecting limescale-remover into the steam generator
- Chemical canisters can be stored inside the lockable cabinet on the machine basement
- Extra storage room in the side cabinet (900 mm wide versions)

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 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

- 16 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 identified by a numeric code
- RS 232 Port for printer connection to monitor and validate washing cycles
- Up to 4000 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

Detergent dosing pump

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

and can be temporarily excluded from the control panel

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

Printer

- For validating treatment/disinfection phases with detailed information

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-setted 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 – 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