MMM Group

Washer disinfectors

Uniclean HP



BMT.
Protecting
human health.

CE
0123



External Lab Certificate of Type Test validation, according to the Standard EN ISO 15883-1/2 and 5

Plumbing system designed to isolate the potable water pipeline system (air gap) as prescribed by European Standard EN 1717

MMM group complete solutions for instrument reprocessing in the CSSD

MMM group has been a successful complete solutions provider for safe and cost-effective reprocessing of sterile medical devices for over 70 years. We are the experts when it comes to planning, setup and technical management of all machines, processes and procedures in the CSSD. By this we mean the demand-based planning of the required equipment incl. features, and the validation of all processes. Another integral component of our service offerings is a process documentation system tailored to all the machines, and a comprehensive customer service.

Wash, disinfect and dry instruments in a safe and impeccable way

Instrument washer disinfectors designed to meet hygiene Standard EN-ISO 15883-1/2 and 5.

As a result of using the highest technologies, the Uniclean HP are developed to offer different models, suitable for the huge variety of instruments found in hospital departments, dental clinics, surgical and central sterilization rooms, satisfying all kinds of medical requests.

The large choice of washing baskets and accessories allows the user to wash, disinfect and dry the most sophisticated instruments, such as the tubular ones.

This line offers high reliability, for the benefit of users and patients!

- Excellent results
- Up to 450 liters of volume
- Color graphic display
- Perfect disinfection
- Energy saving
- Innovative washing programs
- High reliability
- Software PC

Features & Options

Chemical-resistant double glass

The door is made of two layers of tempered glass, resistant to chemicals, even the most aggressive ones.
It allows to see inside the wash chamber during operation.

Stainless steel design

The wash chamber is made of stainless steel AISI 316L (EN 1.4404) while the chassis and external panels are made of stainless steel AISI 304 (EN 1.4301). They are shockproof and long-lasting. Scotch Brite surface finish makes cleaning easier. The hydraulic system is also made of AISI 304 stainless steel, on request it is possible to make it in AISI 316 stainless steel.

Ergonomic handle

Thanks to the ergonomic handle, on models equipped with manual door, the door opening and closing functions are made easy without efforts.

Support for an easy access

On request, Uniclean HP 8 (and variants) can be integrated with a stainless steel support, under the machine, that provide an ergonomic height when the machine is not installed under the counter, making the access to the machine easier for the operator.
The support is also useful for storing chemicals.

Door locking and security system

The machines are equipped with an automatic door locking system that ensures the door is locked safely, while the crush gasket ensures its sealing. For the safety of the operators, the machine does not allow the door to be unlocked during the wash cycle or in the presence of high temperatures. An extra sensor guarantee that, even if in presence of a malfunction of the machine, the water pump will be switched off with the unlock of the door.

Printer

On request, the machines can be equipped with a printer that prints the receipt log of the running program.

Touch-pad keyboard with graphic display

The touch control panel consists of 8 backlit buttons and a 3,5" LCD display. Uniclean HP 10/10A/15A (and their vairats) are equipped with 7" touch-screen. Models with pass-through door are equipped with a second 3.5" LCD display on the unload side, on request 7" touch-screen is available). The flat display with colour graphics shows all cycle parameters, alarm messages, temperatures measured by the two temperature probes located in the washing chamber, drying temperatures and the A0 value. Models with pass-through door are equipped with a second 7" monitor on the discharge side.

Alarm-check system

This system helps the operator to understand why an alarm has occurred before consulting the user manual. A text appears on the display with the number, the image of the alarm and the text explaining the possible causes of it.

Customizable programs

The machines are supplied with a set of standard programs, variable according to the model, and with the addition of customizable programs, up to a maximum of 40 total programs.

Double door system

The Uniclean HP 10-2/10-2B1/10-2B2 are equipped with two interlocked doors: one for loading the dirty trolleys with the instruments to be washed (dirty area) and the other positioned at the rear for unloading the clean trolleys with the disinfected instruments (clean area). The machine does not allow the unlocking of the two doors at the same time. The door of the basket in the unloading area is unlocked only if a cycle is successfully completed.

Wash chamber LED light

On request, the machines can be equipped with low energy consumption LED positioned inside the wash chamber. The LED ensures a better visibility during the wash cycle and during loading and unloading of the basket or trolley. The LED may vary in color depending on machine status: white light for stand-by, red light in case of alarm, and green light when the cycle is successfully completed.

Reliable washing

Thanks to a dedicated pressure switch that monitors in real time the water pressure of the washing circuit, all the washing parameters will be always perfect. An alarm message on the display will indicate if there's a pressure lost during the cycle, causing a cycle stop.

Microcontroller

The machines are equipped with a microcontroller that constantly monitors its operation. It's provided with an internal flash memory that allows the machines to store all the information regarding: cycle params, allarms and log history. An internal watchdog monitor the microcontroller and block the device in case of a malfunction.

Boiler for Speed Cycle

The models with boilers help to speed up the water heating times and to save water. The first boiler is filled with deionized water maintained at a pre-set temperature thanks to its internal heating element, it helps to reduce the electricity consumption and to increase system efficiency; The deionized water is sent to the second boiler via a pump, allowing for shorter hot water loading times and water savings at the end of the phase.

Water softener system

On request, the machines can be integrated with a system that makes it possible to soften the cold and hot water (depending on the model) entering the wash chamber, so as to reduce the formation of limestone in the hydraulic circuit of the machine. The machine automatically regenerates the resins based on the water hardness set at the time of installation.

Steam condenser system

The machines are equipped with an effective steam condenser system that acts to reduce the steam during the disinfection and drying phases.

Spray arm monitor

On request, the machines can be equipped with the spray arm monitor system. If the spray arm monitor is enabled, it checks the correct rotation of the spray arm. An alarm message on the display will indicate a problem during the cycle.

Conductivity probe

On request, the machines can be equipped with a conductivity probe that checks the water purity level at the end of rinsing, before disinfection. The machine repeats the rinse cycle again to remove any residue if the conductivity probe detects a water purity level, expressed in µS/cm, higher than the preset one.

(E.T.S.) Empty Total System

On request the Uniclean HP 10-1/10-2 (and variants) can be equipped with the E.T.S. system which, at the end of each cycle, automatically discharges the residual water from the pump, water storage tank and pipes, to ensure complete cleaning inside the machine.

Automatic washing trolley recognition

On request the Uniclean HP 10-1/10-2 (and variants) can be enabled to understand when a trolley is inserted: it is not possible to start a program if there is no trolley inside the wash chamber. The application recognizes which type of trolley is inserted and suggests to the user which program to start. However, it remains possible to enable or disable programs that are not recommended for this type of trolley.

Drying with HEPA H14 filter

During the drying phase the forced air, pushed by a blower, is introduced into the washing chamber, passing through an electric heater. The air then comes out of the jets of the spray arms to ensure a warm uniform air distribution. The HEPA H14 filter allows to block the fine dust present in the air with an efficiency of 99.995%. Furthermore, in order not to damage the filter, a pre-filter is placed in front of it to block the larger particles.

Models without drying system

Uniclean HP 8-E without drying system: at the end of the cycle, the machine automatically opens the door partially, to dry the instruments with a natural air recirculation, saving on consumption. Read the user manual for more info and details.

Filter cleaning sensor

A dedicated vacuum switch monitors the HEPA H14 filter clogging. An alarm message on the display will indicate that the filter is clogged.

Heating system

In the Uniclean HP 8 and 10-1 models the heating elements are inside the chamber and at the bottom of the tank: this allows for direct heat direction.

Coil for facility steam

On request the Uniclean HP 10-1 (and variants) can be equipped with a coil at the bottom of the chamber which is crossed by the mains steam. This speeds up the times required to heat water. It is also possible to use only the coil, excluding the heating elements.

Hybrid heating system: electric + steam

On request the Uniclean HP 10-1 (and variants)can be equipped with a hybrid heating system: the water is heated both by the heating elements inside the tank and by the network steam. In this way it is possible to reduce program times and electricity consumption.

Detergent storage compartment

On the Uniclean HP 8 models with side panel, the detergent storage compartment is located in the side panel with a handle to allow access to it.
In the Uniclean HP 10 models the tanks are located in a compartment with locked door at the bottom of the machine.

Chemical dosing control

The dosing system for chemical products is controlled by a flowmeter. If the flowmeter doesn't perceive the passage of the liquid, after a few seconds the display will show an alarm that warns the operator of the non-dispensing of the liquid in the wash chamber.

Chemical products level sensor

The machines are equipped with a sensor placed in the suction probe of chemical products, which warn the user if the liquid is running out through a warning that appears on the LCD display.

RS232 port connection

USB port

The two USB ports:
• USB 2 type A for PC USB: allows to connect the machine to a PC for programming;
• USB 2 type B for flash drive: allows to download the history of programs executed and alarms, or for update the firmware and dataset.

Washer RePortal

Software to connect to the machine to manage the user PIN and download, via USB PenDrive, the cycles ran, that are saved on a special database, moreover it is possible to generate the cycle reports in PDF format and export them in CSV format.

User pin management

Manage a secure access to the programs by the users. An user name and password protection level limit the access to the device only to authorized personnel.



Introducing
Instruments Washer Disinfectors
Technical features and dimensions

Uniclean HP
8 / 8-E / 8-S / 8-SE

Under the counter

Machines equipped with a manual door made in double tempered glass or stainless steel, with up to 4 levels for washing trolleys. They are equipped with a system that filters, electrically heats and forces, with a powerfull blower, the air in the wash chamber and inside the hollow instruments, to obtain an excellent drying result (not available in the model without drying system). A large variety of accessories completes these machines, suitable for washing and disinfecting all types of surgical instruments and accessories.





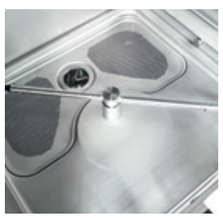
Uniclean HP 8
Glass door
with drying

Uniclean HP 8-E
Glass door
without drying



Uniclean HP 8-S
Stainless steel door
with drying

Uniclean HP 8-SE
Stainless steel door
without drying


Wash chamber
with spray arms


Multi filters in
the wash chamber


Stainless steel support
for chemical tanks


External printer
connected by cable


HEPA H14 filter
and prefilter

Technical features

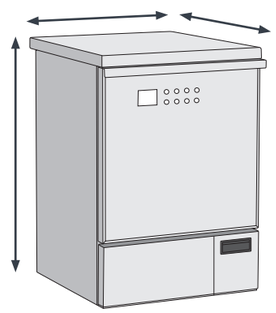
Model	Uniclean HP 8	Uniclean HP 8-E	Uniclean HP 8-S	Uniclean HP 8-SE
Wash chamber dimensions (W×D×H)	550×500×600 mm (21.7"×19.7"×23.6")	550×500×600 mm (21.7"×19.7"×23.6")	550×500×600 mm (21.7"×19.7"×23.6")	550×500×600 mm (21.7"×19.7"×23.6")
Wash chamber volume	165 lt (43.6 US gal)	165 lt (43.6 US gal)	165 lt (43.6 US gal)	165 lt (43.6 US gal)
Wash chamber material	AISI 316L (EN 1.4404)	AISI 316L (EN 1.4404)	AISI 316L (EN 1.4404)	AISI 316L (EN 1.4404)
Indicative weight	100 kg (220 lbs)	100 kg (220 lbs)	100 kg (220 lbs)	100 kg (220 lbs)
Max pump flow rate	370 l/min (97.8 GPM)	370 l/min (97.8 GPM)	370 l/min (97.8 GPM)	370 l/min (97.8 GPM)
Max drying fan flow rate	150 m³/h	150 m³/h	150 m³/h	×
Max number of dosing pumps for chemicals with flowmeters	4	4	4	4
Chemical tanks capacity	5 l (1 US gal)	5 l (1 US gal)	5 l (1 US gal)	5 l (1 US gal)
Communication ports	2 pcs USB for PC and FLASH DRIVE; 1 pc RS232	2 pcs USB for PC and FLASH DRIVE; 1 pc RS232	2 pcs USB for PC and FLASH DRIVE; 1 pc RS232	2 pcs USB for PC and FLASH DRIVE; 1 pc RS232
1× 3,5" LCD display	✓	✓	✓	✓
Single manual door with interlock	✓	✓	✓	✓
Forced air drying	✓	×	✓	×
HEPA H14 filter	✓	×	✓	×
Cold water connection	✓	✓	✓	✓
Hot water connection	✓	✓	✓	✓
Deionized water connection	●	●	●	●
Water softener system	●	●	●	●
Conductivity probe	●	●	●	●
Spray arm monitor	●	●	●	●
Wall drain pump	●	●	●	●
Wash chamber LED light	●	●	●	●
Printer	●	●	●	●
Standards	EN ISO 15883, MDR, IEC, UL, EMC	EN ISO 15883, MDR, IEC, UL, EMC	EN ISO 15883, MDR, IEC, UL, EMC	EN ISO 15883, MDR, IEC, UL, EMC

✓ Standard ● On request × Not available

External dimensions

Uniclean HP 8
Uniclean HP 8-E
Uniclean HP 8-S
Uniclean HP 8-SE

W×D×H:
600×650×845 mm
(23.6"×25.6"×33.3")



The reference values are based on standard model.

Uniclean HP
8-L / 8-LB1 / 8-LS / 8-LSE

Under the counter

Machines equipped with a side compartment for inserting the detergent tanks and a manual door made in double tempered glass or stainless steel, with up to 4 levels for washing trolleys.
They are equipped with a system that filters, electrically heats and forces, with a powerfull blower, the air in the wash chamber and inside the hollow instruments, to obtain an excellent drying result (not available in the model without drying system).
A large variety of accessories completes these machines, suitable for washing and disinfecting all types of surgical instruments and accessories.



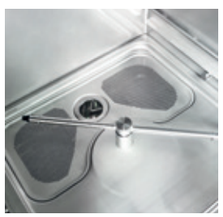
Uniclean HP 8-L
Glass door
with drying

Uniclean HP 8-LB1
Glass door
with drying and boiler



Uniclean HP 8-LS
Stainless steel door
with drying

Uniclean HP 8-LSE
Stainless steel door
without drying


Wash chamber
with spray arms


Multi filters in
the wash chamber


Stainless steel support
for chemical tanks


Built-in
printer


HEPA H14 filter
and prefilter

Technical features

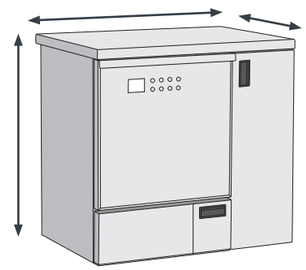
Model	Uniclean HP 8-L	Uniclean HP 8-LB1	Uniclean HP 8-LS	Uniclean HP 8-LSE
Wash chamber dimensions (W×D×H)	550×500×600 mm (21.7"×19.7"×23.6")	550×500×600 mm (21.7"×19.7"×23.6")	550×500×600 mm (21.7"×19.7"×23.6")	550×00×600 mm (21.7"×19.7"×23.6")
Wash chamber volume	165 lt (43.6 US gal)	165 lt (43.6 US gal)	165 lt (43.6 US gal)	165 lt (43.6 US gal)
Wash chamber material	AISI 316L (EN 1.4404)	AISI 316L (EN 1.4404)	AISI 316L (EN 1.4404)	AISI 316L (EN 1.4404)
Indicative weight	115 kg (254 lbs)	120 kg (265 lbs)	115 kg (254 lbs)	115 kg (254 lbs)
Max pump flow rate	370 l/min (97.8 GPM)	370 l/min (97.8 GPM)	370 l/min (97.8 GPM)	370 l/min (97.8 GPM)
Max drying fan flow rate	150 m³/h	150 m³/h	150 m³/h	×
Max number of dosing pumps for chemicals with flowmeters	4	4	4	4
Chemical tanks capacity	5 l (1 US gal)	5 l (1 US gal)	5 l (1 US gal)	5 l (1 US gal)
Communication ports	2 pcs USB for PC and FLASH DRIVE; 1 pc RS232	2 pcs USB for PC and FLASH DRIVE; 1 pc RS232	2 pcs USB for PC and FLASH DRIVE; 1 pc RS232	2 pcs USB for PC and FLASH DRIVE; 1 pc RS232
1× 3,5" LCD display	✓	✓	✓	✓
Single manual door with interlock	✓	✓	✓	✓
Forced air drying	✓	✓	✓	×
HEPA H14 filter	✓	✓	✓	×
Cold water connection	✓	✓	✓	✓
Hot water connection	✓	✓	✓	✓
Deionized water connection	●	●	●	●
Water softener system	●	●	●	●
Boiler for deionized water	×	✓	×	×
Conductivity probe	●	●	●	●
Spray arm monitor	●	●	●	●
Wall drain pump	●	●	●	●
Wash chamber LED light	●	●	●	●
Printer	●	●	●	●
Standards	EN ISO 15883, MDR, IEC, UL, EMC	EN ISO 15883, MDR, IEC, UL, EMC	EN ISO 15883, MDR, IEC, UL, EMC	EN ISO 15883, MDR, IEC, UL, EMC

✓ Standard ● On request × Not available

External dimensions

Uniclean HP 8-L
Uniclean HP 8-LB
Uniclean HP 8-LS
Uniclean HP 8-LSE

W×D×H:
900×650×845 mm
(35.4"×25.6"×33.3")



The reference values are based on standard model.

Uniclean HP
10 / 10-B1 / 10-B2

Freestanding column

Machines equipped with a manual door made in double tempered glass, for surgical departments and small sterilization departments with 5 washing levels and a loading capacity of 12 DIN baskets. They are equipped with a system that filters, electrically heats and forces, with a powerfull blower, the air in the wash chamber and inside the hollow instruments, to obtain an excellent drying result. To ease the loading and unloading of the trolleys, special manual transport trolleys can be used. A large variety of accessories completes these machines, suitable for washing and disinfecting all types of surgical instruments and accessories.



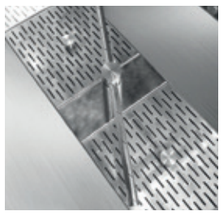
Uniclean HP 10
Glass door
with drying



Uniclean HP 10-B1
Glass door
with drying and boiler



Uniclean HP 10-B2
Glass door
with drying and 2 boiler



Wash chamber
with spray arms



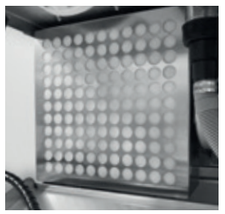
Touch-screen



Chemical
tanks



Built-in
printer



HEPA H14 filter
and prefilter

Technical features

Model	Uniclean HP 10	Uniclean HP 10-B1	Uniclean HP 10-B2
Wash chamber dimensions (W×D×H)	560×590×800 mm (22"×23"×31.5")	560×590×800 mm (22"×23"×31.5")	560×590×800 mm (22"×23"×31.5")
Wash chamber volume	265 lt (70 US gal)	265 lt (70 US gal)	265 lt (70 US gal)
Wash chamber material	AISI 316L (EN 1.4404)	AISI 316L (EN 1.4404)	AISI 316L (EN 1.4404)
Indicative weight	240 kg (529 lbs)	255 kg (562 lbs)	270 kg (595 lbs)
Max pump flow rate	600 l/min (158.5 GPM)	600 l/min (158.5 GPM)	600 l/min (158.5 GPM)
Max drying fan flow rate	150 m³/h	150 m³/h	150 m³/h
Max number of dosing pumps for chemicals with flowmeters	4	4	4
Chemical tanks capacity	5 l (1 US gal)	5 l (1 US gal)	5 l (1 US gal)
Communication ports	2 pcs USB for PC and FLASH DRIVE; 1 pc RS232	2 pcs USB for PC and FLASH DRIVE; 1 pc RS232	2 pcs USB for PC and FLASH DRIVE; 1 pc RS232
1× touch-screen 7"	✓	✓	✓
Single manual door with interlock	✓	✓	✓
Forced air drying	✓	✓	✓
HEPA H14 filter	✓	✓	✓
Cold water connection	✓	✓	✓
Hot water connection	✓	✓	✓
Deionized water connection	●	●	●
Water softener system	●	●	●
Boiler for deionized water	×	✓	✓
Boiler for hot water	×	×	✓
Conductivity probe	●	●	●
Spray arm monitor	●	●	●
Coil for facility steam	●	●	●
Hybrid heating system: electric - steam	●	●	●
Wall drain pump	●	●	●
(E.T.S.) Empty Total System	●	●	●
Wash chamber LED light	●	●	●
Automatic washing trolley recognition	●	●	●
Printer	●	●	●
Standards	EN ISO 15883, MDR, IEC, UL, EMC	EN ISO 15883, MDR, IEC, UL, EMC	EN ISO 15883, MDR, IEC, UL, EMC

✓ Standard ● On request × Not available

External dimensions

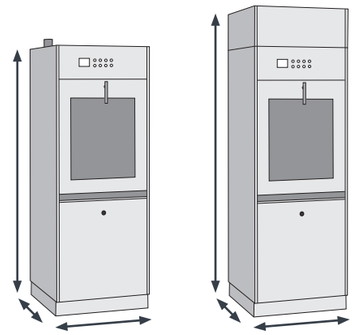
Uniclean HP 10

W×D×H:
650×670×1850 mm
(25.6"×26.4"×72.8")

Uniclean HP 10-B1
Uniclean HP 10-B2

W×D×H
650×670×2200 mm
(25.6"×26.4"×86.6")

The reference values are based on standard model.



Uniclean HP
10D / 10D-B1 / 10D-B2

Freestanding column

Machines equipped with pass-through manual door made in double tempered glass, for surgical departments and small sterilization departments with 5 washing levels and a loading capacity of 12 DIN baskets. In the machine with two doors, on one side the trolley is loaded with the dirty instruments (dirty room), on the other side the trolley is taken with the cleaned and disinfected instruments (clean room), at the end of the cycle. They are equipped with a system that filters, electrically heats and forces, with a powerfull blower, the air in the wash chamber and inside the hollow instruments, to obtain an excellent drying result. To ease the loading and unloading of the trolleys, special manual transport trolleys can be used. A large variety of accessories completes these machines, suitable for washing and disinfecting all types of surgical instruments and accessories.





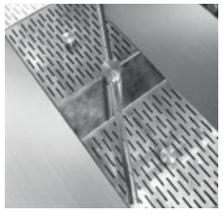
Uniclean HP 10D
Pass-through glass door with drying



Uniclean HP 10D-B1
Pass-through glass door with drying and boiler



Uniclean HP 10D-B2
Pass-through glass door with drying and 2 boiler



Wash chamber with spray arms



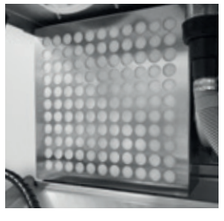
Touch-screen



Chemical tanks



Built-in printer



HEPA H14 filter and prefilter

Technical features

Model	Uniclean HP 10D	Uniclean HP 10D-B1	Uniclean HP 10D-B2
Wash chamber dimensions (W×D×H)	560×590×800 mm (22"×23"×31.5")	560×590×800 mm (22"×23"×31.5")	560×590×800 mm (22"×23"×31.5")
Wash chamber volume	265 lt (70 US gal)	265 lt (70 US gal)	265 lt (70 US gal)
Wash chamber material	AISI 316L (EN 1.4404)	AISI 316L (EN 1.4404)	AISI 316L (EN 1.4404)
Indicative weight	240 kg (529 lbs)	255 kg (562 lbs)	270 kg (595 lbs)
Max pump flow rate	600 l/min (158.5 GPM)	600 l/min (158.5 GPM)	600 l/min (158.5 GPM)
Max drying fan flow rate	150 m³/h	150 m³/h	150 m³/h
Max number of dosing pumps for chemicals with flowmeters	4	4	4
Chemical tanks capacity	5 l (1 US gal)	5 l (1 US gal)	5 l (1 US gal)
Communication ports	2 pcs USB for PC and FLASH DRIVE; 1 pc RS232	2 pcs USB for PC and FLASH DRIVE; 1 pc RS232	2 pcs USB for PC and FLASH DRIVE; 1 pc RS232
1× touch-screen 7" (load side) 1× 3,5" LCD display (unload side)	✓	✓	✓
Pass-through manual door with interlock	✓	✓	✓
Forced air drying	✓	✓	✓
HEPA H14 filter	✓	✓	✓
Cold water connection	✓	✓	✓
Hot water connection	✓	✓	✓
Deionized water connection	●	●	●
Water softener system	●	●	●
Boiler for deionized water	×	✓	✓
Boiler for hot water	×	×	✓
Conductivity probe	●	●	●
Spray arm monitor	●	●	●
Coil for facility steam	●	●	●
Hybrid heating system: electric - steam	●	●	●
Wall drain pump	●	●	●
(E.T.S.) Empty Total System	●	●	●
Wash chamber LED light	●	●	●
Automatic washing trolley recognition	●	●	●
Printer	●	●	●
Standards	EN ISO 15883, MDR, IEC, UL, EMC	EN ISO 15883, MDR, IEC, UL, EMC	EN ISO 15883, MDR, IEC, UL, EMC

✓ Standard ● On request × Not available

External dimensions

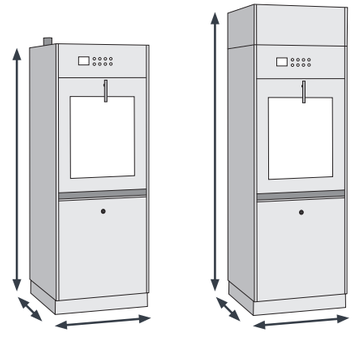
Uniclean HP 10D

W×D×H:
650×700×1850 mm
(25.6"×27.6"×72.8")

Uniclean HP 10D-B1
Uniclean HP 10D-B2

W×D×H
650×700×2200 mm
(25.6"×27.6"×86.6")

The reference values are based on standard model.



Uniclean HP
10-A / 10-AB1 / 10-AB2

REDUCE TIME & SAVE WATER!

The second boiler allows to reduce hot water loading times and save water by reusing deionized water at the end of disinfection.

Freestanding column

Machines equipped with an automatic sliding door made in double tempered glass, for surgical departments and small sterilization departments with 5 washing levels and a loading capacity of 12 DIN baskets. The automatic sliding door is activated by passing the hand over the optical sensor placed on the control keypad, this avoids the problem of cross-contagion. They are equipped with a system that filters, electrically heats and forces, with a powerfull blower, the air in the wash chamber and inside the hollow instruments, to obtain an excellent drying result. To ease the loading and unloading of the trolleys, special manual transport trolleys can be used.
The machine is also arranged for automatic loading and unloading system. A large variety of accessories completes these machines, suitable for washing and disinfecting all types of surgical instruments and accessories.



Uniclean HP 10-A
Glass door
with drying



Uniclean HP 10-AB1
Glass door
with drying and boiler



Uniclean HP 10-AB2
Glass door
with drying and 2 boiler



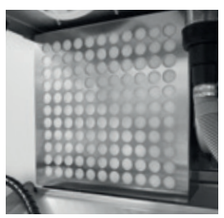
Wash chamber
with spray arms



Automatic
sliding doors



Built-in
printer



HEPA H14 filter
and prefilter

Technical features

Model	Uniclean HP 10-A	Uniclean HP 10-AB1	Uniclean HP 10-AB2
Wash chamber dimensions (W×D×H)	560×590×800 mm (22"×23"×31.5")	560×590×800 mm (22"×23"×31.5")	560×590×800 mm (22"×23"×31.5")
Wash chamber volume	265 lt (70 US gal)	265 lt (70 US gal)	265 lt (70 US gal)
Wash chamber material	AISI 316L (EN 1.4404)	AISI 316L (EN 1.4404)	AISI 316L (EN 1.4404)
Indicative weight	240 kg (529 lbs)	255 kg (562 lbs)	270 kg (595 lbs)
Max pump flow rate	600 l/min (158.5 GPM)	600 l/min (158.5 GPM)	600 l/min (158.5 GPM)
Max drying fan flow rate	150 m³/h	150 m³/h	150 m³/h
Max number of dosing pumps for chemicals with flowmeters	4	4	4
Chemical tanks capacity	5 l (1 US gal)	5 l (1 US gal)	5 l (1 US gal)
Communication ports	2 pcs USB for PC and FLASH DRIVE; 1 pc RS232	2 pcs USB for PC and FLASH DRIVE; 1 pc RS232	2 pcs USB for PC and FLASH DRIVE; 1 pc RS232
1× touch-screen 7"	✓	✓	✓
Single automatic door with interlock	✓	✓	✓
Forced air drying	✓	✓	✓
HEPA H14 filter	✓	✓	✓
Cold water connection	✓	✓	✓
Hot water connection	✓	✓	✓
Deionized water connection	●	●	●
Water softener system	●	●	●
Boiler for deionized water	×	✓	✓
Boiler for hot water	×	×	✓
Conductivity probe	●	●	●
Spray arm monitor	●	●	●
Coil for facility steam	●	●	●
Hybrid heating system: electric - steam	●	●	●
Wall drain pump	●	●	●
(E.T.S.) Empty Total System	●	●	●
Wash chamber LED light	●	●	●
Automatic washing trolley recognition	●	●	●
Printer	●	●	●
Standards	EN ISO 15883, MDR, IEC, UL, EMC	EN ISO 15883, MDR, IEC, UL, EMC	EN ISO 15883, MDR, IEC, UL, EMC

✓ Standard ● On request × Not available

External dimensions

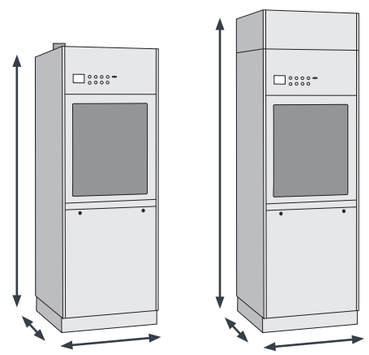
Uniclean HP 10-A

W×D×H:
680×670×1950 mm
(26.8"×26.4"×76.8")

Uniclean HP 10-AB1
Uniclean HP 10-AB2

W×D×H:
680×670×2300 mm
(26.8"×26.4"×90.6")

The reference values are based on standard model.



Uniclean HP
10D-A / 10D-AB1 / 10D-AB2

REDUCE TIME & SAVE WATER!

The second boiler allows to reduce hot water loading times and save water by reusing deionized water at the end of disinfection.

Freestanding column

Machines equipped with pass-through automatic sliding door made in double tempered glass, for surgical departments and small sterilization departments with 5 washing levels and a loading capacity of 12 DIN baskets. The automatic sliding door is activated by passing the hand over the optical sensor placed on the control keypad, this avoids the problem of cross-contagion. In the machine with two doors, on one side the trolley is loaded with the dirty instruments (dirty room), on the other side the trolley is taken with the cleaned and disinfected instruments (clean room), at the end of the cycle. To ease the loading and unloading of the trolleys, special manual transport trolleys can be used. The machine is also arranged for automatic loading and unloading system. A large variety of accessories completes these machines, suitable for washing and disinfecting all types of surgical instruments and accessories.



Uniclean HP 10D-A
Glass door
with drying



Uniclean HP 10D-AB1
Glass door
with drying and boiler



Uniclean HP 10D-AB2
Glass door
with drying and 2 boiler



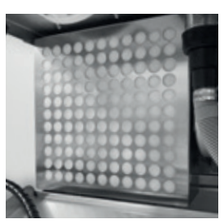
Wash chamber
with spray arms



Automatic
sliding doors



Built-in
printer



HEPA H14 filter
and prefilter

Technical features

Model	Uniclean HP 10D-A	Uniclean HP 10D-AB1	Uniclean HP 10D-AB2
Wash chamber dimensions (W×D×H)	560×590×800 mm (22"×23"×31.5")	560×590×800 mm (22"×23"×31.5")	560×590×800 mm (22"×23"×31.5")
Wash chamber volume	265 lt (70 US gal)	265 lt (70 US gal)	265 lt (70 US gal)
Wash chamber material	AISI 316L (EN 1.4404)	AISI 316L (EN 1.4404)	AISI 316L (EN 1.4404)
Indicative weight	240 kg (529 lbs)	255 kg (562 lbs)	270 kg (595 lbs)
Max pump flow rate	600 l/min (158.5 GPM)	600 l/min (158.5 GPM)	600 l/min (158.5 GPM)
Max drying fan flow rate	150 m³/h	150 m³/h	150 m³/h
Max number of dosing pumps for chemicals with flowmeters	4	4	4
Chemical tanks capacity	5 l (1 US gal)	5 l (1 US gal)	5 l (1 US gal)
Communication ports	2 pcs USB for PC and FLASH DRIVE; 1 pc RS232	2 pcs USB for PC and FLASH DRIVE; 1 pc RS232	2 pcs USB for PC and FLASH DRIVE; 1 pc RS232
1× touch-screen 7" (load side) 1× 3,5" LCD display (unload side)	✓	✓	✓
Pass-through automatic door with interlock	✓	✓	✓
Forced air drying	✓	✓	✓
HEPA H14 filter	✓	✓	✓
Cold water connection	✓	✓	✓
Hot water connection	✓	✓	✓
Deionized water connection	●	●	●
Water softener system	●	●	●
Boiler for deionized water	×	✓	✓
Boiler for hot water	×	×	✓
Conductivity probe	●	●	●
Spray arm monitor	●	●	●
Coil for facility steam	●	●	●
Hybrid heating system: electric - steam	●	●	●
Wall drain pump	●	●	●
(E.T.S.) Empty Total System	●	●	●
Wash chamber LED light	●	●	●
Automatic washing trolley recognition	●	●	●
Printer	●	●	●
Standards	EN ISO 15883, MDR, IEC, UL, EMC	EN ISO 15883, MDR, IEC, UL, EMC	EN ISO 15883, MDR, IEC, UL, EMC

✓ Standard ● On request × Not available

External dimensions

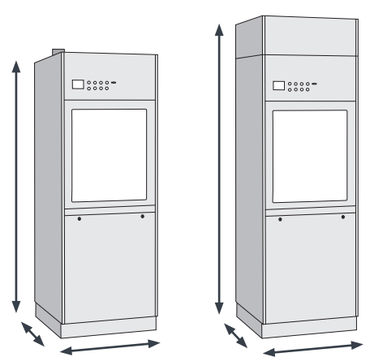
Uniclean HP 10D-A

W×D×H:
680×700×1950 mm
(26.8"×27.6"×76.8")

Uniclean HP 10D-AB1
Uniclean HP 10D-AB2

W×D×H:
680×700×2300 mm
(26.8"×27.6"×90.6")

The reference values are based on standard model.



Uniclean HP
15-A / 15-AB1 / 15-AB2 / 15-AB3

REDUCE TIME & SAVE WATER!

The second boiler allows to reduce hot water loading times and save water by reusing deionized water at the end of disinfection.

Freestanding column

Machines equipped with automatic sliding door made in double tempered glass, for big sterilization departments with 6 washing levels for a loading capacity of 18 DIN baskets. The models are equipped with a 7" touch-screen. The machine is provided with 2 washing pumps: one allows water to flow out of the impellers into the tank, and the second engages the trolleys to wash the instruments via impellers or injectors. A system of filtered air, electrically heated and pushed into the washing chamber and inside the hollow instruments, provides excellent drying results. To ease the loading and unloading of the trolleys, special manual transport trolleys can be used. The machine is also arranged for automatic loading and unloading system. A large variety of accessories completes these machines, suitable for washing and disinfecting all types of surgical instruments and accessories.



Available model Uniclean HP 15D-AB3 with a third boiler with cold water, to speed up the washing process!



Uniclean HP 15-A
Glass door
with drying

Uniclean HP 15-AB1
Glass door
with drying and boiler

Uniclean HP 15-AB2
Glass door
with drying and 2 boiler



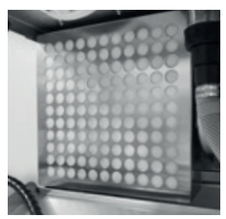
Wash chamber
with spray arms



Automatic
sliding doors



Built-in
printer



HEPA H14 filter
and prefilter

Technical features

Model	Uniclean HP 15-A	Uniclean HP 15-AB1	Uniclean HP 15-AB2	Uniclean HP 15-AB3
Wash chamber dimensions (W×D×H)	680×790×800 mm (26.8"×31.1"×31.5")	680×790×800 mm (26.8"×31.1"×31.5")	680×790×800 mm (26.8"×31.1"×31.5")	680×790×800 mm (26.8"×31.1"×31.5")
Wash chamber volume	430 lt (114 US gal)	430 lt (114 US gal)	430 lt (114 US gal)	430 lt (114 US gal)
Wash chamber material	AISI 316L (EN 1.4404)	AISI 316L (EN 1.4404)	AISI 316L (EN 1.4404)	AISI 316L (EN 1.4404)
Indicative weight	460 Kg (1014 lbs)	480 Kg (1058 lbs)	500 Kg (1102 lbs)	520 Kg (1146 lbs)
Max chamber pump flow rate	600 l/min (158.5 GPM)	600 l/min (158.5 GPM)	600 l/min (158.5 GPM)	600 l/min (158.5 GPM)
Max trolley pump flow rate	400 l/min (105.6 GPM)	400 l/min (105.6 GPM)	400 l/min (105.6 GPM)	400 l/min (105.6 GPM)
Max drying fan flow rate	300 m³/h	300 m³/h	300 m³/h	300 m³/h
Max number of dosing pumps for chemicals with flowmeters	5	5	5	5
Chemical tanks capacity	5 l (1 US gal)	5 l (1 US gal)	5 l (1 US gal)	5 l (1 US gal)
Communication ports	2 pcs USB for PC and FLASH DRIVE; 1 pc RS232	2 pcs USB for PC and FLASH DRIVE; 1 pc RS232	2 pcs USB for PC and FLASH DRIVE; 1 pc RS232	2 pcs USB for PC and FLASH DRIVE; 1 pc RS232
1× touch-screen 7"	✓	✓	✓	✓
Single automatic door with interlock	✓	✓	✓	✓
Forced air drying	✓	✓	✓	✓
HEPA H14 filter	✓	✓	✓	✓
Cold water connection	✓	✓	✓	✓
Hot water connection	✓	✓	✓	✓
Deionized water connection	●	●	●	●
Water softener system	●	●	●	●
Boiler for deionized water	×	✓	✓	✓
Boiler for hot water	×	×	✓	✓
Boiler for cold water	×	×	●	●
Conductivity probe	●	●	●	●
Spray arm monitor	●	●	●	●
Coil for facility steam	●	●	●	●
Hybrid heating system: electric - steam	●	●	●	●
Wall drain pump	●	●	●	●
(E.T.S.) Empty Total System	●	●	●	●
Wash chamber LED light	●	●	●	●
Automatic washing trolley recognition	●	●	●	●
Printer	●	●	●	●
Standards	EN ISO 15883, MDR, IEC, UL, EMC	EN ISO 15883, MDR, IEC, UL, EMC	EN ISO 15883, MDR, IEC, UL, EMC	EN ISO 15883, MDR, IEC, UL, EMC

✓ Standard ● On request × Not available

External dimensions

Uniclean HP 15-A

W×D×H:
1000×860×1900 mm
(39.4"×33.9"×74.8")

Uniclean HP 15-AB1
Uniclean HP 15-AB2
Uniclean HP 15-AB3

W×D×H:
1000×860×2300 mm
(39.4"×33.9"×90.6")

The reference values are based on standard model.



Uniclean HP
15D-A / 15D-AB1 / 15D-AB2 / 15D-AB3

REDUCE TIME & SAVE WATER!

The second boiler allows to reduce hot water loading times and save water by reusing deionized water at the end of disinfection.

Freestanding column

Machines equipped with pass-through automatic sliding door made in double tempered glass, for big sterilization departments with 6 washing levels for a loading capacity of 18 DIN baskets. Double doors allow to load dirty instrument on one side (dirty room), and unload cleaned and disinfected instruments on the other side (clean room) at the end of the cycle. The touch control panel has a 7" touch-screen on the entry side and a 3.5" LCD display on the exit side (on request a second 7" touch-screen can be installed). The machine is provided with 2 washing pumps: one allows water to flow out of the impellers into the tank, and the second engages the trolleys to wash the instruments via impellers or injectors. A system of filtered air, electrically heated and pushed into the washing chamber and inside the hollow instruments, provides excellent drying results. To ease the loading and unloading of the trolleys, special manual transport trolleys can be used. The machine is also arranged for automatic loading and unloading system. A large variety of accessories completes these machines, suitable for washing and disinfecting all types of surgical instruments and accessories.



Available model Uniclean HP 15D-AB3 with a third boiler with cold water, to speed up the washing process!



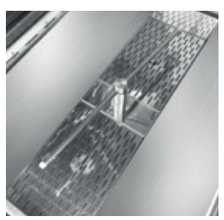
Uniclean HP 15D-A
Glass door
with drying



Uniclean HP 15D-AB1
Glass door
with drying and boiler



Uniclean HP 15D-AB2
Glass door
with drying and 2 boiler



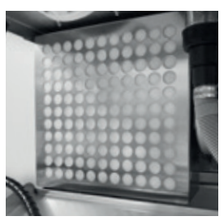
Wash chamber
with spray arms



Automatic
sliding doors



Built-in
printer



HEPA H14 filter
and prefilter

Technical features

Model	Uniclean HP 15D-A	Uniclean HP 15D-AB1	Uniclean HP 15D-AB2	Uniclean HP 15D-AB3
Wash chamber dimensions (W×D×H)	680×790×800 mm (26.8"×31.1"×31.5")	680×790×800 mm (26.8"×31.1"×31.5")	680×790×800 mm (26.8"×31.1"×31.5")	680×790×800 mm (26.8"×31.1"×31.5")
Wash chamber volume	430 lt (114 US gal)	430 lt (114 US gal)	430 lt (114 US gal)	430 lt (114 US gal)
Wash chamber material	AISI 316L (EN 1.4404)	AISI 316L (EN 1.4404)	AISI 316L (EN 1.4404)	AISI 316L (EN 1.4404)
Indicative weight	460 kg (1014 lbs)	480 kg (1058 lbs)	500 kg (1102 lbs)	520 kg (1146 lbs)
Max chamber pump flow rate	600 l/min (158.5 GPM)	600 l/min (158.5 GPM)	600 l/min (158.5 GPM)	600 l/min (158.5 GPM)
Max trolley pump flow rate	400 l/min (105.6 GPM)	400 l/min (105.6 GPM)	400 l/min (105.6 GPM)	400 l/min (105.6 GPM)
Max drying fan flow rate	300 m³/h	300 m³/h	300 m³/h	300 m³/h
Max number of dosing pumps for chemicals with flowmeters	5	5	5	5
Chemical tanks capacity	5 l (1 US gal)	5 l (1 US gal)	5 l (1 US gal)	5 l (1 US gal)
Communication ports	2 pcs USB for PC and FLASH DRIVE; 1 pc RS232	2 pcs USB for PC and FLASH DRIVE; 1 pc RS232	2 pcs USB for PC and FLASH DRIVE; 1 pc RS232	2 pcs USB for PC and FLASH DRIVE; 1 pc RS232
1× touch-screen 7" (load side) 1× 3,5" LCD display (unload side)	✓	✓	✓	✓
Pass-through automatic door with interlock	✓	✓	✓	✓
Forced air drying	✓	✓	✓	✓
HEPA H14 filter	✓	✓	✓	✓
Cold water connection	✓	✓	✓	✓
Hot water connection	✓	✓	✓	✓
Deionized water connection	●	●	●	●
Water softener system	●	●	●	●
Boiler for deionized water	×	✓	✓	✓
Boiler for hot water	×	×	✓	✓
Boiler for cold water	×	×	●	●
Conductivity probe	●	●	●	●
Spray arm monitor	●	●	●	●
Coil for facility steam	●	●	●	●
Hybrid heating system: electric - steam	●	●	●	●
Wall drain pump	●	●	●	●
(E.T.S.) Empty Total System	●	●	●	●
Wash chamber LED light	●	●	●	●
Automatic washing trolley recognition	●	●	●	●
Printer	●	●	●	●
Standards	EN ISO 15883, MDR, IEC, UL, EMC	EN ISO 15883, MDR, IEC, UL, EMC	EN ISO 15883, MDR, IEC, UL, EMC	EN ISO 15883, MDR, IEC, UL, EMC

✓ Standard ● On request × Not available

External dimensions

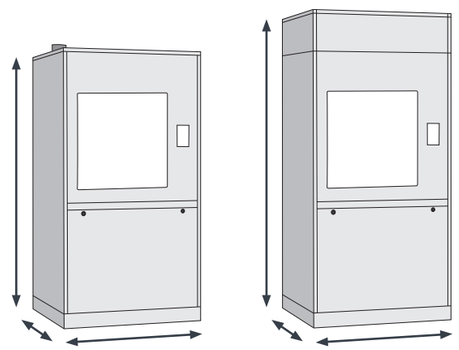
Uniclean HP 15D-A

W×D×H:
1000x900x1900 mm
(39.4"x35.4"x74.8")

Uniclean HP 15D-AB1
Uniclean HP 15D-AB2
Uniclean HP 15D-AB3

W×D×H:
1000x900x2300 mm
(39.4"x35.4"x90.6")

The reference values are based on standard model.



Automatic Loading and Unloading system

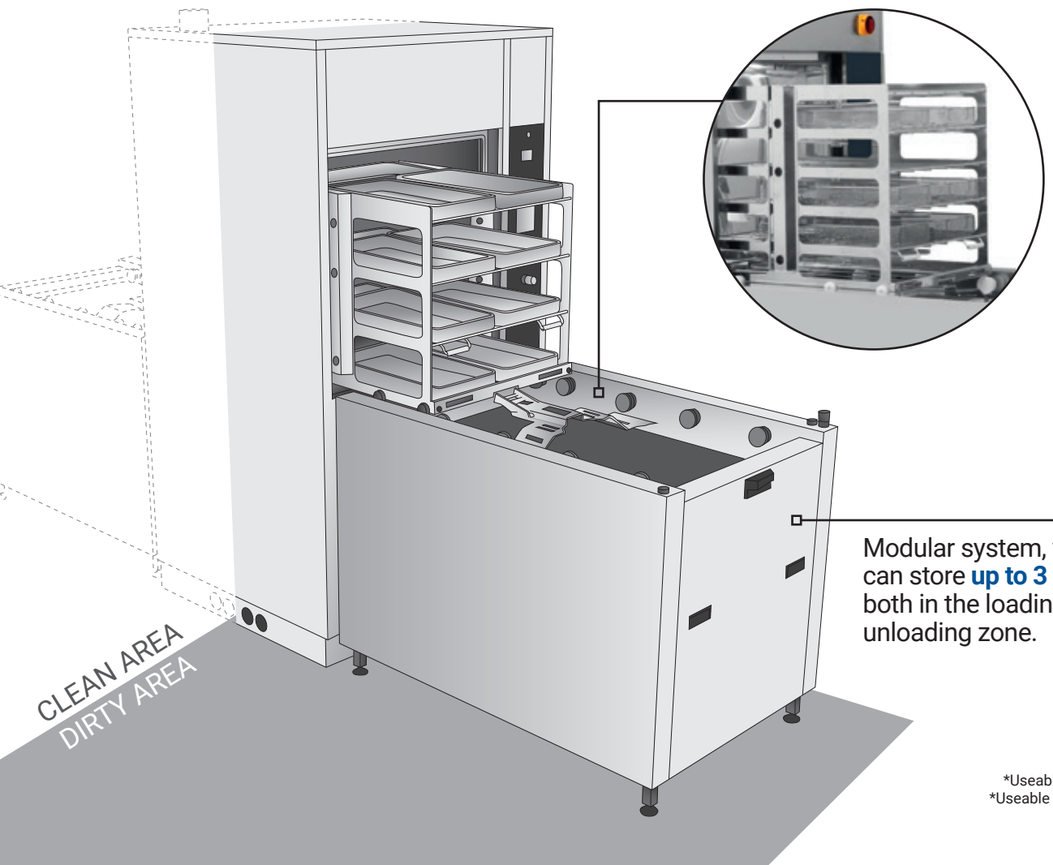
For Uniclean HP 10-A and Uniclean HP 15-A (and variants)



Automatic loading and unloading system that allows to speed up and simplify workflows in big sterilization departments

The loading and unloading operations are easy and intuitive: the washing trolley is automatically transported in front of the door, which, if the device is free, automatically opens.
The trolley is pushed in the washing chamber, the door closes and the specific cycle for the inserted trolley starts.
When the cycle is complete, the unloading door opens and, if the unloading system is free, the trolley is pulled out.

The system is modular, to adapt to every kind of department configuration, and can store up to 3 trolleys both on the loading and on the unloading zone. If that is the case, of course, a controller takes care of avoiding any kind of impact between trolleys.

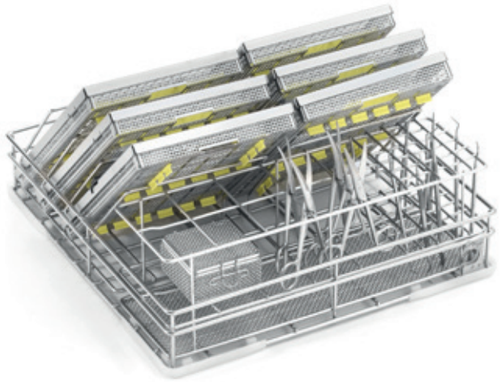


Modular system, which can store **up to 3 trolleys**, both in the loading and unloading zone.

*Useable on Uniclean HP 15
*Useable on Uniclean HP 10-A

Introducing
Instruments Washer Disinfectors
Trolleys and Acessorries

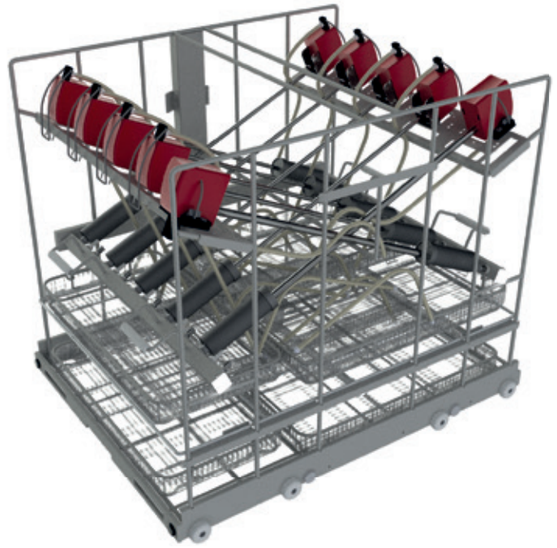
Uniclean HP
Trolleys and Accessories



Standard washing basket
Washing basket, basic version. Designed for various inserts and accessories.



5 level washing trolley
Washing trolley with spray arms and 5 levels. Suitable for washing large quantities of surgical instruments.



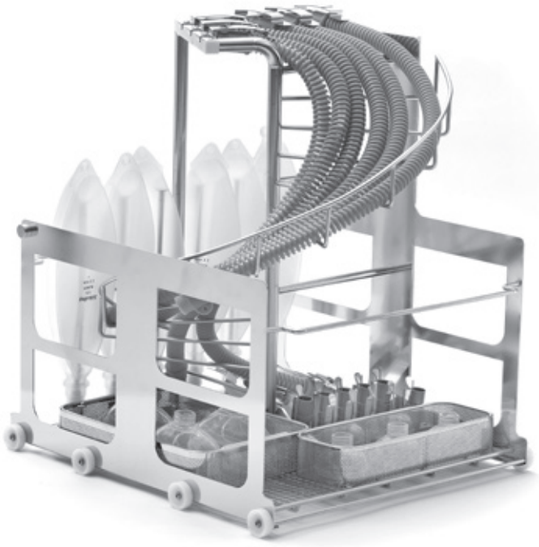
Da Vinci washing trolley
Washing trolley for Da Vinci instruments Si-Xi series to use with Da Vinci connection kits.



Operating room shoes washing trolley
Washing trolley with support for washing operating room shoes. Suitable for washing up to 32 rubber shoes (16 pairs).



Mini invasive washing trolley
3 levels washing trolley with spray arms and 36 positions (9 luer locks + 9 silicon pipes + 18 guard connections for tubular hollow instruments with diameter of 3-7 mm) for washing universal mini invasive surgery instruments.



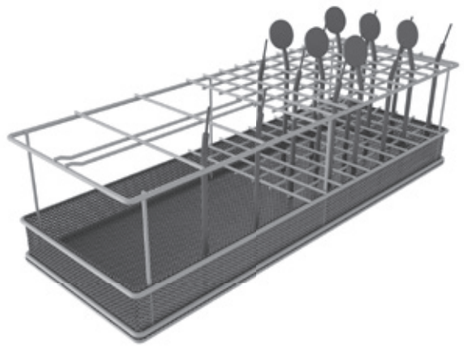
Anesthesia washing trolley
Washing trolley for washing anesthesia instruments.



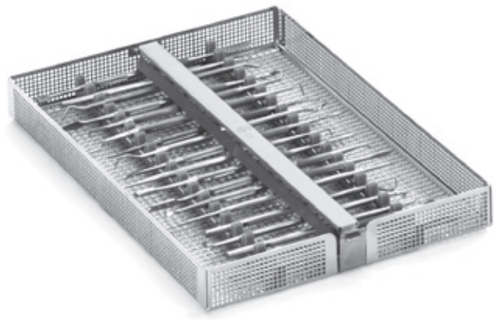
Containers washing trolley
Washing trolley for containers and trays.



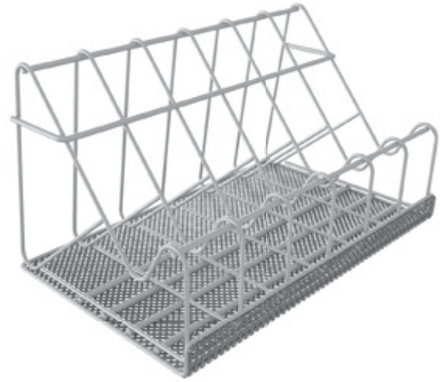
Transfering trolley
Loading trolley with block system to load washing trolley into the machines.



Insert for washing
vertical instruments



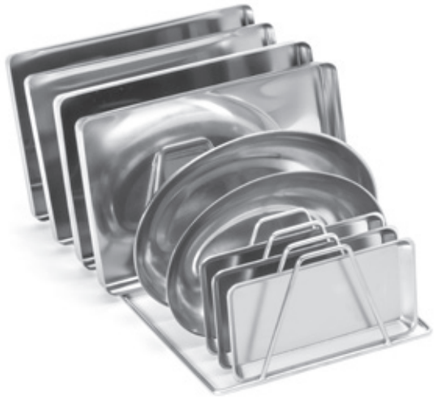
Basket with two
silicone supports



Basket for washing speculus



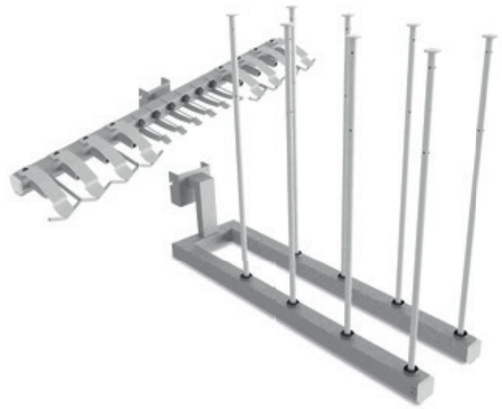
Standard DIN basket with handle
for washing medium-sized
instruments



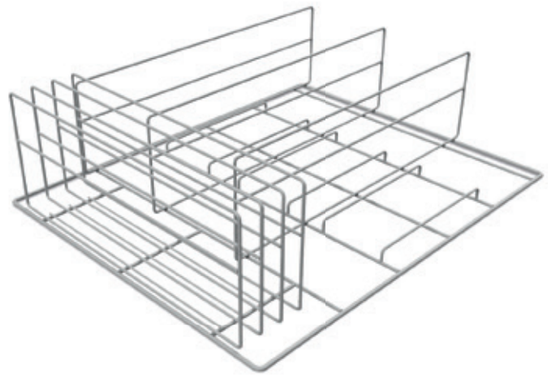
Insert for washing
trays and cassettes



Basket for washing teats and rings
for biberon



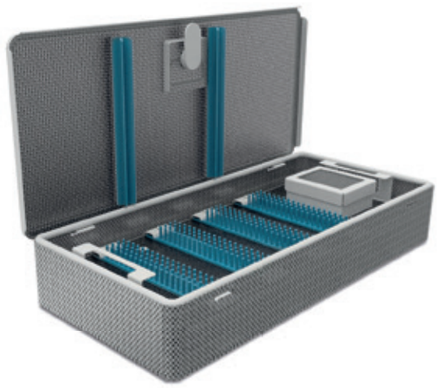
Insert for washing flexible pipe and
anaesthetic baloons



Insert for washing containers



Basket for washing biberon



Ophtalmic basket
with lid

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inserts and accessories?

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