



LABORATORY WASHER DISINFECTORS SWD LAB



Benefit from our many years of experience in manufacturing, consulting, sales, project planning, service and state-of-the-art equipment technology so that you can concentrate on your core tasks



LAB
SWD

WELCOME

With more than 45 years of experience in the field of medical and laboratory technology, the second generation of SCHLUMBOHM Medizin-Labor-Technologie-Hamburg GmbH is already successfully meeting the demanding requirements of the market. As early as 2014, company founder Hans-Joachim Schlumbohm retired from day-to-day operations and handed over the management to his son Tobias Schlumbohm. Schlumbohm Senior continues to be responsible for research and development in the company.



As a manufacturer of steam sterilizers, washer disinfectors, care combinations, stainless steel furniture, and systems for the treatment of medical waste, we supply hospitals and laboratories worldwide with our medical and laboratory technology. We have over 120 highly qualified employees working at our production sites in Germany and Italy.

The correct determination of requirements and the preparation of planning proposals are an absolute must. Professional project support, right up to installation and commissioning, is just as important as seamless customer service. With our solutions, you not only receive technically mature systems but also the assurance that you have a professional partner taking care of your functional processes.

An important key to our long-term success and market acceptance is ensuring quality, operational reliability, and functionality in day-to-day operations while harmonizing these features with economic aspects.

Tobias Schlumbohm
CEO

Hans-Joachim Schlumbohm
Shareholder

In this context, we have a team of over 20 service technicians available to you 365 days a year, 24 hours a day, providing immediate service throughout Europe. The management in Hamburg handles accepting orders and the scheduling of all field employees.



SWD LAB PRODUCT INFORMATION

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INNOVATIVE NEW PRODUCTS PRESENTED IN BRIEF THE NEW GENERATION OF OUR FULLY AUTOMATIC LABORATORY WASHER DISINFECTORS



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.

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, the SWD Lab.8.1MD (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 which ensure a safety door block. 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 machine is equipped with a printer that prints the receipt log of the running program.

Microcontroller

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

Touch-pad keyboard with graphic display

The touch control panel consists of 8 backlit keys and a 3.5" LCD display, SWD Lab.18.1VD (and variants) is equipped with a 7" touch-screen display. The flat display with colour graphics shows all cycle parameters, alarm messages, measured temperatures of the two temperature probes positioned in the wash chamber and drying temperatures.

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 machine is 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.

Wash chamber LED light

On request, the machine can be equipped with a LED light positioned inside the wash chamber, with low energy consumption, for a better visibility during the wash cycle and during loading and unloading of the basket or trolley. For the SWD Lab.8.1MD (and variants), the LED may vary in color depending on machine status. In the event of an alarm, the wash chamber lights red; when the cycle is successfully completed, the wash chamber lights green.

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.

Spray arm monitor

On request, the machine is 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.

Steam condenser system

The machine is equipped with an effective steam condenser system that acts to reduce the steam during the hot and drying phases.

Water softener system

It is 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.

Hybrid heating system: electric + steam

On request, SWD Lab.12.1MD, SWD Lab.12.1VD and SWD Lab.18.1VD (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.

Uniform forced air drying

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 filter, with an F5 efficiency grade, allows to block the fine dust present in the air. On request it is possible to integrate on machinery a HEPA H14 filter, with an efficiency of the 99.995%.

Models without drying system

SWD Lab.8.1MD.E, SWD Lab.8.1MD.XE, SWD Lab.8.1MD.EL and SWD Lab.8.1MD.XEL are without drying system: at the cycle end 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 filter clogging. An alarm message on the display will indicate that the filter is clogged, causing a cycle stop.

Coil for facility steam

On request, SWD Lab.12.1MD, SWD Lab.12.1VD and SWD Lab.18.1VD (and variants) can be equipped with a coil at the bottom of the chamber carrying facility steam at about 150°C. This speeds up the times required to heat water. It is also possible to use only the coil, excluding the heating elements.

Conductivity probe

On request, the machine is equipped with a conductivity probe that checks the water purity level at the end of rinsing. The machine repeats the rinse cycle again to remove any residue if the conductivity probe detects a water purity level, expressed in $\mu\text{S}/\text{cm}$, higher than the preset one.

(E.T.S.) Empty Total System

On request, SWD Lab.12.1MD, SWD Lab.12.1VD and SWD Lab.18.1VD (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.

Detergent storage compartment

In the SWD Lab.8.1MD (and variants), the detergent storage compartment is located in the side panel with a handle to allow access to it. In the SWD Lab.12.1MD, SWD Lab.12.1VD and SWD Lab.18.1VD 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, causing a cycle stop.

Chemical products level sensor

The machine is 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.

165 LT

SWD Lab.8.1MD Series
Under the counter

Machines are equipped with a side compartment for inserting the detergent tanks and a manual door made of double-tempered glass or stainless steel, designed for laboratory glassware with 2 independent levels. They are equipped with a system that filters, electrically heats, and forcefully circulates the air in the wash chamber and inside the hollow instruments to achieve an excellent drying result (not available in the model without a drying system). These machines are complemented by a wide range of racks, nozzles, and accessories, making them suitable for washing and drying a wide variety of laboratory glassware.



SWD Lab.8.1MD Glass door and with drying

SWD Lab.8.1MD.E Glass door and without drying



Stainless steel and door with drying **SWD Lab.8.1MD.X**

Stainless steel door and without drying **SWD Lab.8.1MD.XE**



Wash chamber with spray arms



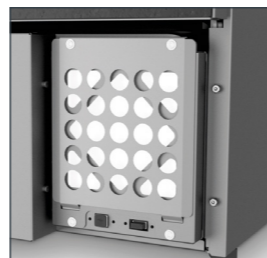
Multi filters in the wash chamber



Stainless steel support for chemical tanks



External printer connected by cable



Air filter

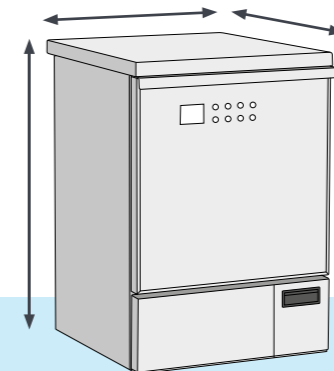
Technical features

Type	SWD Lab.8.1MD	SWD Lab.8.1MD.X	SWD Lab.8.1MD.E	SWD Lab.8.1MD.XE
Wash chamber dimensions (WxDxH)	550x500x600 mm (21.7"x19.7"x23.6")	550x500x600 mm (21.7"x19.7"x23.6")	550x500x600 mm (21.7"x19.7"x23.6")	550x500x600 mm (21.7"x19.7"x23.6")
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 m ³ /h	150 m ³ /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
Touch control panel	✓	✓	✓	✓
Manual door with interlock	✓	✓	✓	✓
Automatic door with interlock	✗	✗	✗	✗
Main switch ON/OFF	✓	✓	✓	✓
Forced air drying	✓	✓	✗	✗
HEPA H14 filter	●	●	●	●
Cold water connection	✓	✓	✓	✓
Hot water connection	✓	✓	✓	✓
Deionized water connection	✓	✓	✓	✓
Water softener system	●	●	●	●
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	IEC, UL, EMC	IEC, UL, EMC	IEC, UL, EMC	IEC, UL, EMC

- ✓ Standard
- On request
- ✗ Not available

External dimensions

WxDxH: 600x650x845 mm (23.6"x25.6"x33.3")



The reference values are based on standard model.

165 LT

SWD Lab.8.1MD.L Series
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, for laboratory glassware with 2 independent levels. They are equipped with a system that filter, electrically heat and force, with a powerful 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 wide range of racks, nozzles and accessories complete these machines, suitable to wash and dry a wide variety of laboratory glassware.



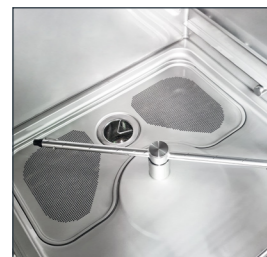
SWD Lab.8.1MD.L Glass door and with drying

SWD Lab.8.1MD.EL Glass door and without drying



Stainless steel door and with drying **SWD Lab.8.1MD.XL**

Stainless steel door and without drying **SWD Lab.8.1MD.XEL**



Wash chamber with spray arms



Multi filters in the wash chamber



Stainless steel support for chemical tanks



Built-in printer



Air filter

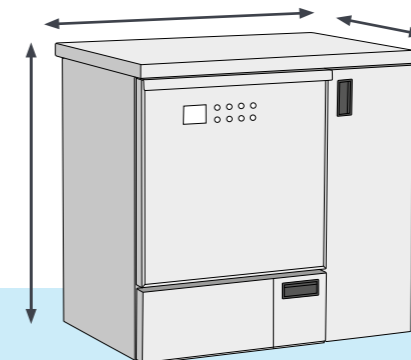
Technical features

Type	SWD Lab.8.1MD.L	SWD Lab.8.1MD.XL	SWD Lab.8.1MD.EL	SWD Lab.8.1MD.XEL
Wash chamber dimensions (WxDxH)	550x500x600 mm (21.7"x19.7"x23.6")	550x500x600 mm (21.7"x19.7"x23.6")	550x500x600 mm (21.7"x19.7"x23.6")	550x500x600 mm (21.7"x19.7"x23.6")
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)	115 Kg (254 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	✗	✗
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
Touch control panel	✓	✓	✓	✓
Manual door with interlock	✓	✓	✓	✓
Automatic door with interlock	✗	✗	✗	✗
Main switch ON/OFF	✓	✓	✓	✓
Forced air drying	✓	✓	✗	✗
HEPA H14 filter	●	●	●	●
Cold water connection	✓	✓	✓	✓
Hot water connection	✓	✓	✓	✓
Deionized water connection	✓	✓	✓	✓
Water softener system	●	●	●	●
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	IEC, UL, EMC	IEC, UL, EMC	IEC, UL, EMC	IEC, UL, EMC

✓ Standard
 ● On request
 ✗ Not available

External dimension

WxDxH: 900x650x845 mm
(35.4"x25.6"x33.3")



The reference values are based on standard model.

DRYER

Under the counter

The machine is equipped with a manual door made of stainless steel, designed for laboratory glassware with 2 independent levels. It is equipped with a system that filters, electrically heats, and forcefully circulates the air in the wash chamber and inside the hollow instruments to obtain an excellent drying result. A wide range of racks, nozzles, and accessories completes the machine, making it suitable for drying a wide variety of laboratory glassware.

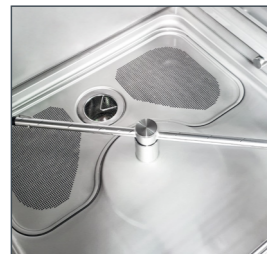


Perfect to use as the last drying cycle or as an additional drying to ensure perfectly dry glassware in all its parts, both inside and out!



DRYER

Dryer with stainless steel door



Drying chamber with spray arms



External printer connected by cable



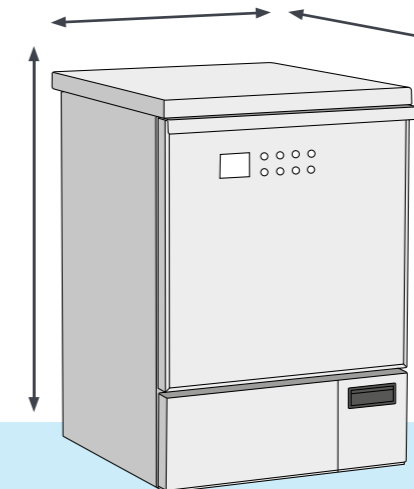
Air filter

Technical features

Type	DRYER
Drying chamber dimensions (WxDxH)	550x500x600 mm (21.7"x19.7"x23.6")
Drying chamber volume	165 lt (43.6 US gal)
Drying chamber material	AISI 316L (EN 1.4404)
Indicative weight	100 Kg (220 lbs)
Max pump flow rate	x
Max drying fan flow rate	150 m³/h
Max number of dosing pumps for chemicals with flowmeters	x
Chemical tanks capacity	x
Communication ports	2 pcs USB for PC and FLASH DRIVE; 1 pc RS232
Touch control panel	✓
Manual door with interlock	✓
Automatic door with interlock	x
Main switch ON/OFF	✓
Forced air drying	✓
HEPA H14 filter	●
Cold water connection	x
Hot water connection	x
Deionized water connection	x
Water softener system	x
Conductivity probe	x
Spray arm monitor	●
Coil for facility steam	x
Hybrid heating system: electric- steam	x
Wall drain pump	✓
(E.T.S.) Empty Total System	x
Drying chamber LED light	●
Automatic washing trolley recognition	x
Printer	●
Standards	IEC, UL, EMC

External dimensions

WxDxH: 600x650x845 mm
(23.6"x25.6"x33.3")



- ✓ Standard
- On request
- x Not available

The reference values are based on standard model.

255 LT

SWD Lab.12.1MD

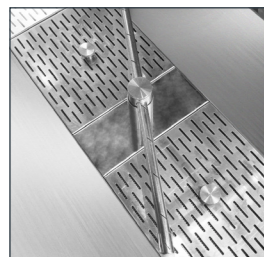
Freestanding column

The machine is equipped with a manual door made of double-tempered glass, designed for laboratory glassware with 4 independent levels. The upper levels are removable to accommodate washing large materials. It is equipped with a system that filters, electrically heats, and forcefully circulates the air in the wash chamber and inside the hollow instruments to achieve an excellent drying result. Special manual transport trolleys can be used to facilitate the loading and unloading of the trolleys. A wide range of racks, nozzles, and accessories completes the machine, making it suitable for washing and drying a wide variety of laboratory glassware.



SWD Lab.12.1MD

Manual glass door with drying



Wash chamber with spray arms



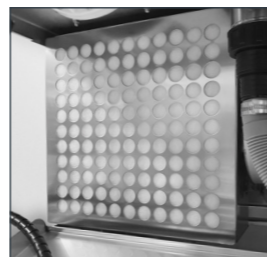
Touch control panel



Chemical tanks



Built-in printer



Air filter

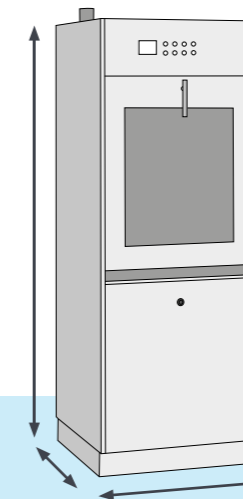
Technical features

Type	SWD Lab.12.1MD
Wash chamber dimensions (WxDxH)	560x570x800 mm (22"x22.4"x31.5")
Wash chamber volume	255 lt (67.4 US gal)
Wash chamber material	AISI 316L (EN 1.4404)
Indicative weight	240 Kg (529 lbs)
Max pump flow rate	626 l/min (165.3 GPM)
Max drying fan flow rate	150 m³/h
Max number of dosing pumps for chemicals with flowmeters	4
Chemical tanks capacity	5 l (1 US gal)
Communication ports	2 pcs USB for PC and FLASH DRIVE; 1 pc RS232
Touch control panel	✓
Manual door with interlock	✓
Automatic door with interlock	✗
Main switch ON/OFF	●
Forced air drying	✓
HEPA H14 filter	●
Cold water connection	✓
Hot water connection	✓
Deionized water connection	✓
Water softener system	●
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	IEC, UL, EMC

- ✓ Standard
- On request
- ✗ Not available

External dimension

WxDxH: 650x685x1850 mm
(25.6"x27"x72.8")



The reference values are based on standard model.

255 LT

SWD Lab.12.1VD

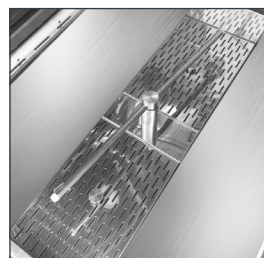
Freestanding column

Machine equipped with an automatic sliding door, made in double tempered glass, for laboratory glassware with 4 independent levels. The upper levels are removable for washing large materials. It is equipped with a system that filter, electrically heat and force, 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 wide range of racks, nozzles and accessories complete the machine, suitable to wash and dry a wide variety of laboratory glassware.

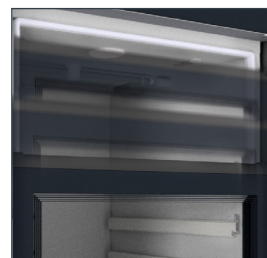


SWD Lab.12.1VD

Automatic glass door with drying



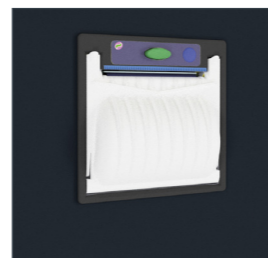
Wash chamber with spray arms



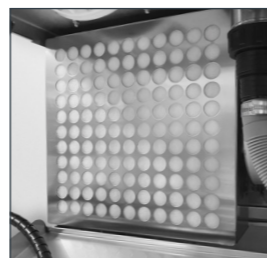
Automatic sliding doors



Chemical tanks



Built-in printer



Air filter

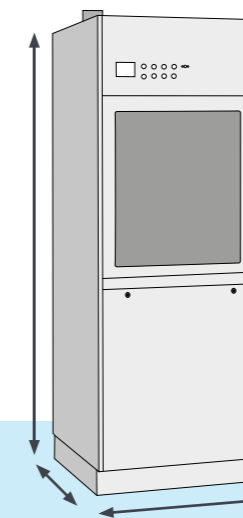
Technical features

Type	SWD Lab.12.1VD
Wash chamber dimensions (WxDxH)	560x570x800 mm (22"x22.4"x31.5")
Wash chamber volume	255 lt (67.4 US gal)
Wash chamber material	AISI 316L (EN 1.4404)
Indicative weight	240 Kg (529 lbs)
Max pump flow rate	626 l/min (165.3 GPM)
Max drying fan flow rate	150 m³/h
Max number of dosing pumps for chemicals with flowmeters	4
Chemical tanks capacity	5 l (1 US gal)
Communication ports	2 pcs USB for PC and FLASH DRIVE; 1 pc RS232
Touch control panel	✓
Manual door with interlock	✗
Automatic door with interlock	✓
Main switch ON/OFF	●
Forced air drying	✓
HEPA H14 filter	●
Cold water connection	✓
Hot water connection	✓
Deionized water connection	✓
Water softener system	●
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	IEC, UL, EMC

- ✓ Standard
- On request
- ✗ Not available

External dimension

WxDxH: 680x685x1950 mm
(26.8"x27"x76.8")



The reference values are based on standard model.

430 LT

SWD Lab.18.1VD

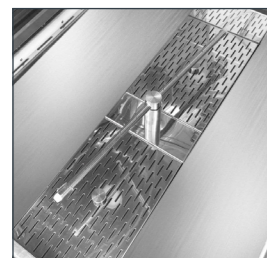
Freestanding column

The machine is equipped with an automatic sliding door made of double-tempered glass, designed for laboratory glassware with 4 independent levels. The upper levels are removable for washing large materials. It is equipped with a system that filters, electrically heats, and forcefully circulates 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 wide range of racks, nozzles, and accessories completes the machine, making it suitable to wash and dry a wide variety of laboratory glassware.

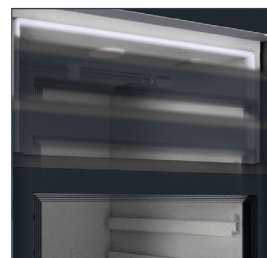


SWD Lab.18.1VD

Automatic glass door with drying



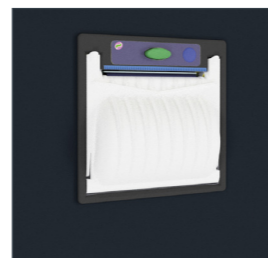
Wash chamber with spray arms



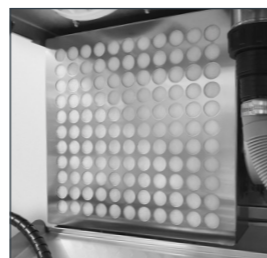
Automatic sliding doors



Chemical tanks



Built-in printer



Air filter

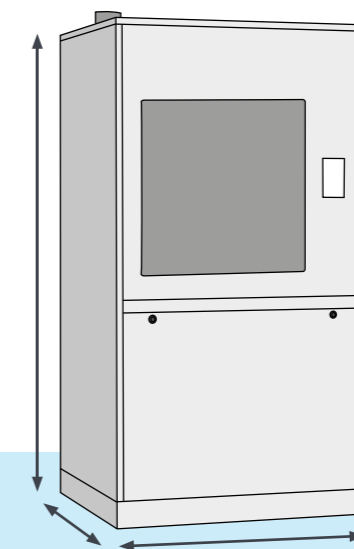
Technical features

Type	SWD Lab.18.1VD
Wash chamber dimensions (WxDxH)	680x790x800 mm (26.8"x31.1"x31.5")
Wash chamber volume	430 lt (114 US gal)
Wash chamber material	AISI 316L (EN 1.4404)
Indicative weight	460 Kg (1014 lbs)
Max pump flow rate	626 l/min (165.3 GPM)
Max drying fan flow rate	300 m³/h
Max number of dosing pumps for chemicals with flowmeters	5
Chemical tanks capacity	5 l (1 US gal)
Communication ports	2 pcs USB for PC and FLASH DRIVE; 1 pc RS232
Touch control panel	✓
Manual door with interlock	✗
Automatic door with interlock	✓
Main switch ON/OFF	●
Forced air drying	✓
HEPA H14 filter	●
Cold water connection	✓
Hot water connection	✓
Deionized water connection	✓
Water softener system	●
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	IEC, UL, EMC

- ✓ Standard
- On request
- ✗ Not available

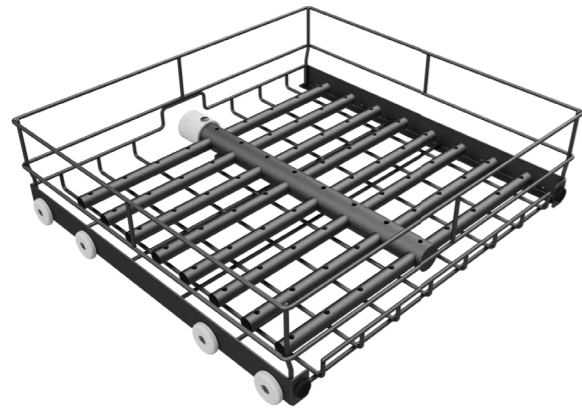
External dimension

WxDxH: 1000x900x1900 mm
(39.4"x35.4"x74.8")



The reference values are based on standard model.

SWD LAB Series -Racks, Nozzles and Accessories-



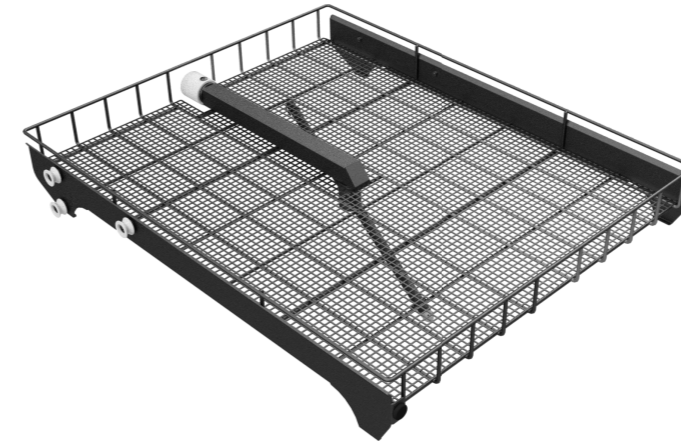
Washing rack with positions for nozzles

Washing rack positioned at the lower level, with positions for nozzles. For various type of glassware.



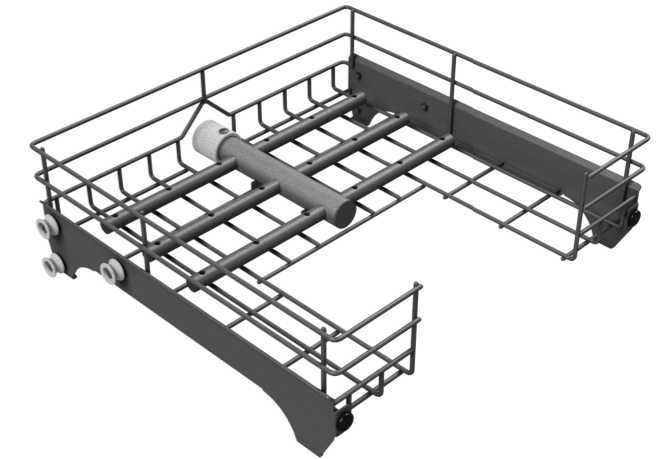
Washing rack for pipettes

Pipettes washing rack positioned at the lower level, with 3 cassettes. Suitable for washing: graduated pipettes, bulb pipettes and pasteur pipettes.



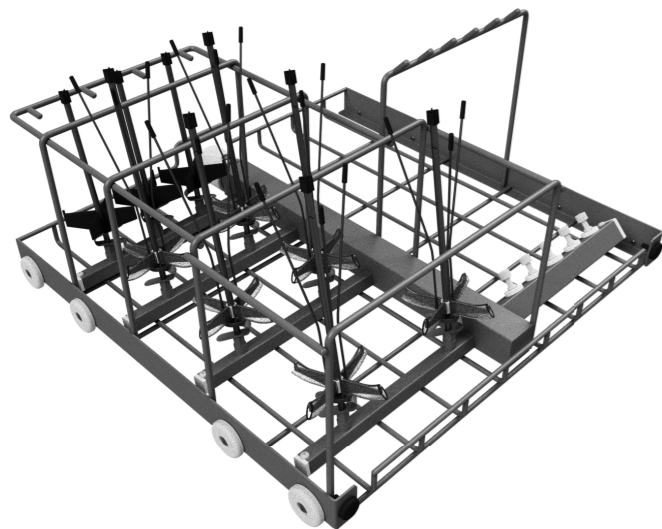
Washing rack with spray arm

Washing rack, basic version, with spray arm. For various type of glassware.



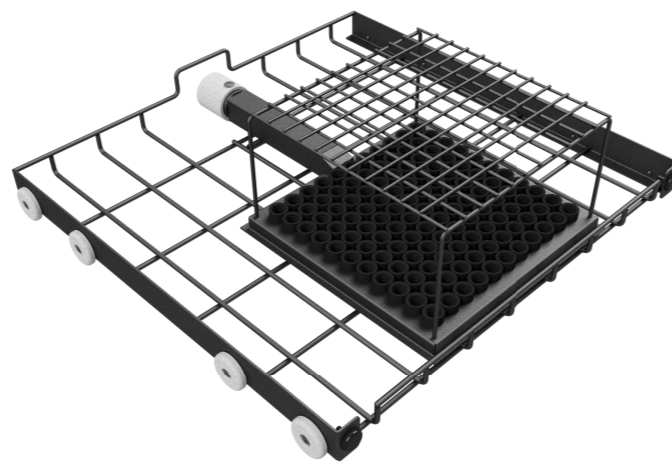
Washing rack with hole for pipette length

Washing rack positioned at the upper level, with positions for nozzles and hole for the length of the pipettes inserted in the lower rack. For various type of glassware.



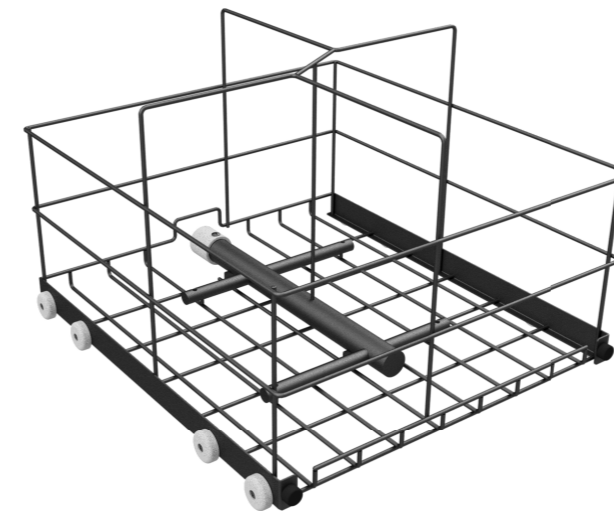
Washing rack with injection for nozzle and pipettes

Washing rack positioned at the lower level with nozzles for glassware and positions for pipettes. Suitable for washing: graduated pipettes, bulb pipettes and pasteur pipettes.



Washing rack with injection for pipettes and additional empty space

Washing rack for pipettes positioned at the lower level. Suitable for washing: graduated pipettes, bulb pipettes and pasteur pipettes.



Washing rack for larger sized bottles

Washing rack positioned at lower level with connections for nozzles. Suitable for washing larger sized bottles.



Transferring trolley

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



Nozzle with external rigid support



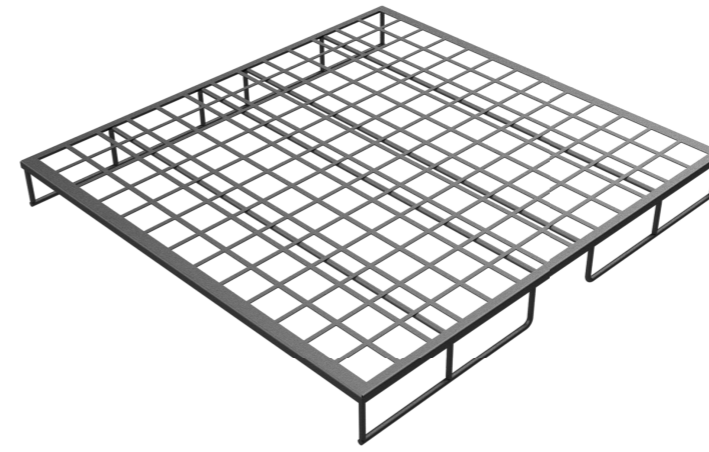
Nozzle with rigid internal holder



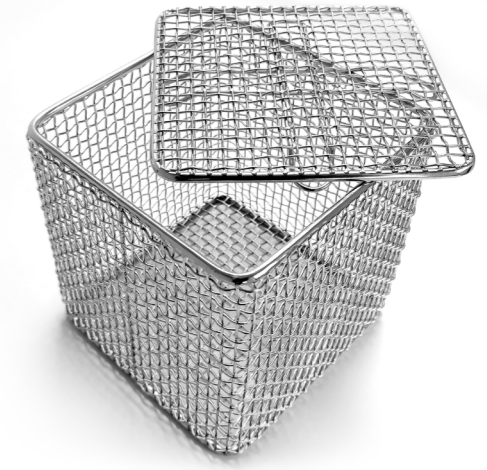
Nozzle with 3 flexible internal arms



Nozzle with 3 flexible external arms



Raising grid for washing racks



Fine mesh basket with lid for small glassware



Standard nozzle



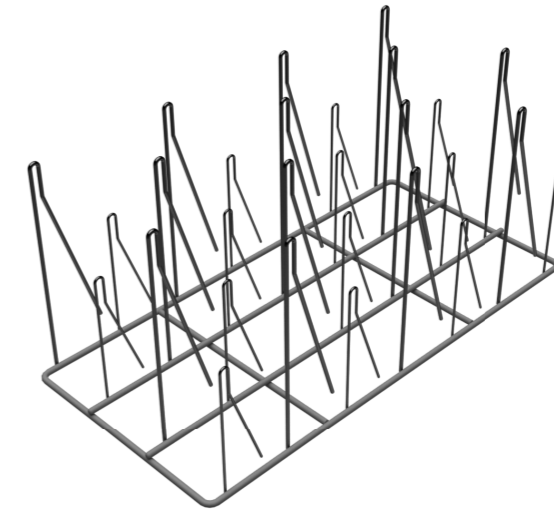
Standard nozzle



Nozzle with internal rigid cap



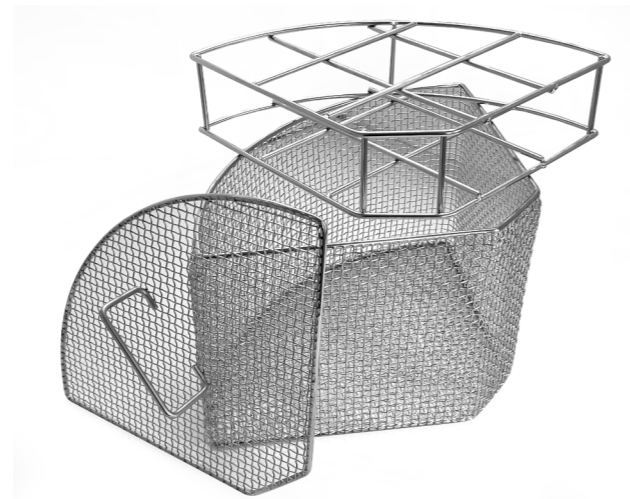
Nozzle with internal rigid cap and spring



Insert with 28 positions for glassware



Insert for Petri dishes



Basket for test tubes

You are looking for information for a **medical washer disinfector**?
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 We are looking forward to your inquiry.
 Your SCHLUMBOHM Team
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Range of services



STEAM STERILIZERS + AUTOCLAVES

SHS Series + SLS Series

The new generation of fully automatic SCHLUMBOHM steam sterilizers/autoclaves of the SHS + SLS series is the product of cutting-edge development work and proven, advanced equipment technology for everyday use in the medical field. An easy User-interface, energy and resource-saving technology, and optimal accessibility for maintenance and service were key considerations in this pioneering development.



MEDICAL + LABORATORY WASHER DISINFECTORS

SWD Series + SWD LAB Series

The devices of the SWD + SWD LAB series are the ideal washer disinfectors for the safe and efficient reprocessing of surgical instruments, minimally invasive instruments, anesthesia materials, containers, surgical shoes, and laboratory utensils. In addition to an appealing design and compact size, innovative features to enhance process reliability and compliance with DIN EN ISO 15883 were prioritized during their development.



LARGE-CAPACITY WASHER DISINFECTORS

WDC Series

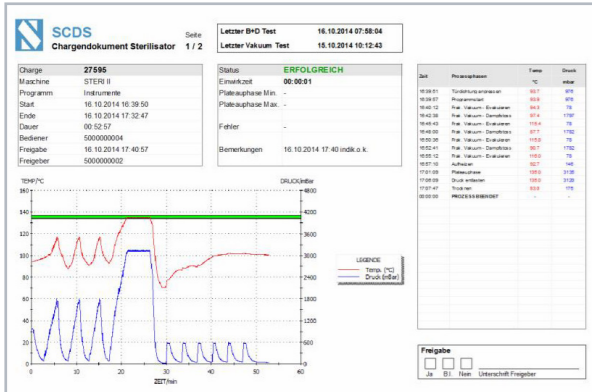
Large-capacity washer disinfectors are designed for the reprocessing of medical devices, as well as large-volume goods such as transport trolleys, containers, surgical shoes, and more. The development of these washer disinfectors took into account aspects such as safety, hygiene, durability, reliability, low maintenance, and resource-saving usage. These devices ensure a high level of operator safety while delivering optimal cleaning results.



STEAM DISINFECTION SYSTEMS

SHD Series

Large-scale disinfection systems utilizing the VSV process are designed for the effective disinfection of large-volume goods, primarily for infection prevention purposes. These systems are particularly suitable for economically disinfecting substantial quantities of solid and porous items such as mattresses and pillows. The latest generation of high-tech solutions has been developed with a focus on economy, resource conservation, and user-friendliness, ensuring maximum operator safety and achieving optimal disinfection results.



BATCH DOCUMENTATION

SCDS

The SCDS batch documentation system provides a comprehensive system solution for complete sterile material documentation. It has been specifically developed to enable fast, simple, and secure documentation that fulfills all legal requirements. All work steps in the treatment process are meticulously recorded, documented, and stored. As a result, the time needed for documenting processes in the sterile material supply department is significantly reduced.

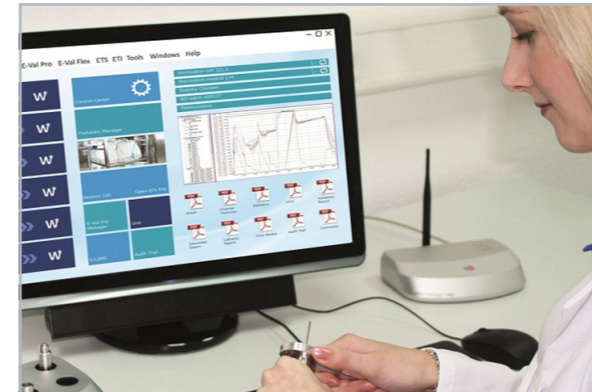
Range of services



MEDICAL WASTE TREATMENT

Truster T-Series

Truster: a technology to be trusted for "biohazard" waste treatment in total safety and respecting eco-sustainability. The purpose of biohazard waste treatment must be to sterilize them and make them unidentifiable and non-reusable. A combined process of mechanical grinding and saturated steam sterilization without any risk of aerobic pollution and of bad smell emission.



VALIDATION

Quality assurance during reprocessing

Due to our high professional standards in the fields of cleaning, disinfection, and sterilization, we have a team of qualified application engineers available to assist you. When validating treatment processes, our focus is on implementing quality assurance measures and ensuring the requirement of reproducible processes in the treatment of medical devices. We are here to help you analyze and optimize your treatment process.



CARE COMBINATIONS

AF2 Series

Bedpan washers and care combinations are designed for fully automatic emptying, cleaning, and thermal disinfection of bedpans, urine bottles, and other vessels used for human excreta. These systems fully comply with the requirements of the German Medical Devices Act (MPG), the Medical Devices Operator Ordinance (MPBetreibV), DIN EN 15883 Parts 1 and 3, and the recommendations of the Robert Koch Institute (RKI) on "Requirements for hygiene in the reprocessing of medical devices".



STAINLESS STEEL FURNITURE

Functional furniture

Our medical functional furniture, crafted with high-quality materials and excellent workmanship, is renowned for its adherence to the highest hygiene standards, extensive functionality, and individual adaptability. The use of stainless steel grade 1.4301 ensures not only resistance to disinfectants but also a prolonged lifespan compared to other materials.

OR-TABLES / OR-LIGHTS



TABLE TOP STERILIZERS



CSSD AUTOMATION



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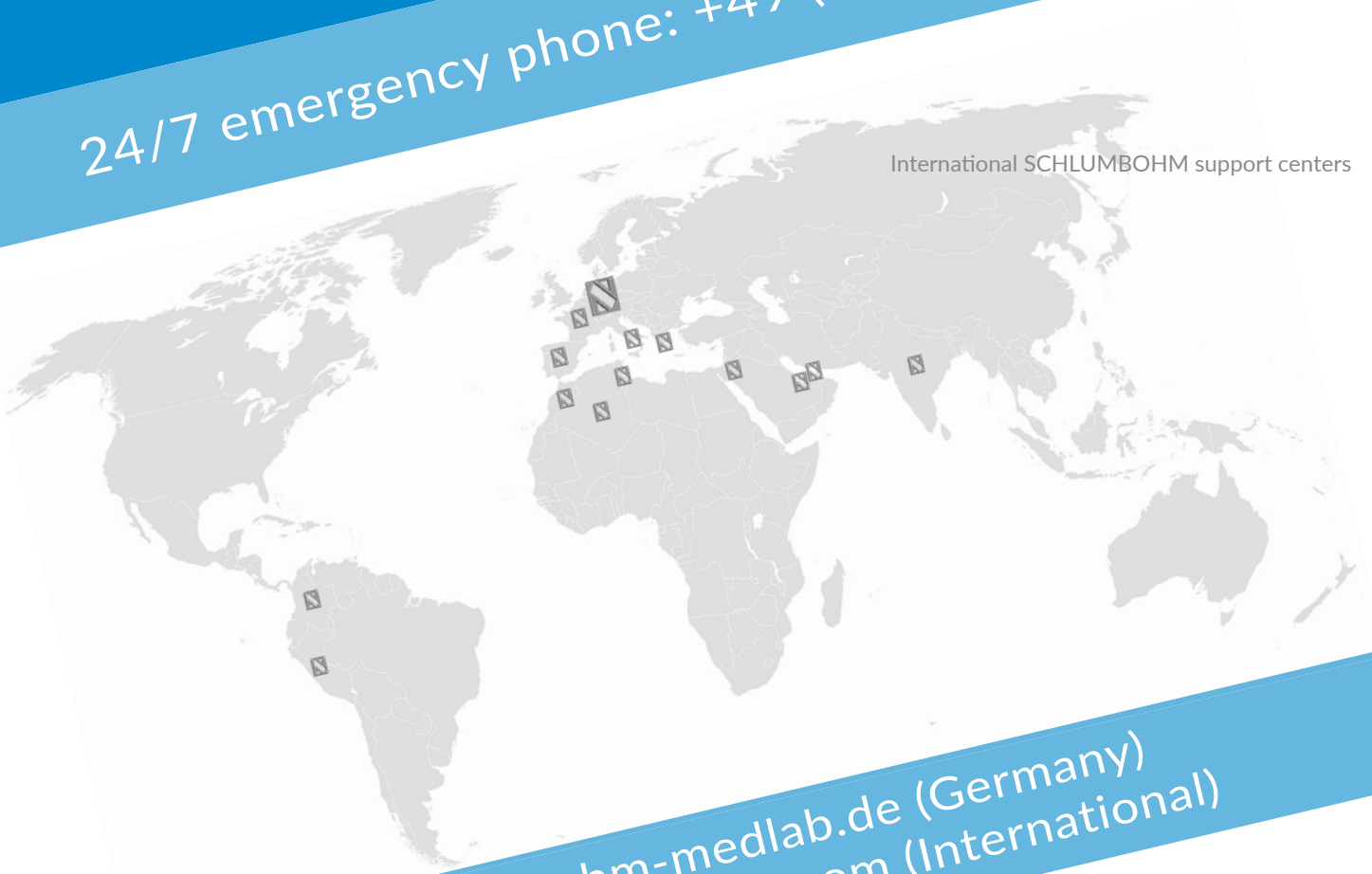
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