



WASHING & DISINFECTION
hospital sector



For more than 30 years Smeg Instruments represents a symbol of **excellence** "Made in Italy". It offers technologically advanced products to the **professional washing and thermal disinfection** world.

Fully customisable solutions, flexible and efficient services, safe and certifiable results thanks to an integrated structure from design to after-sales service.

Products enriched by know-how gained from working with professionals in more than thirty countries all over the world.



A GLOBAL BRAND

Smeg is an Italian family company based in Guastalla (RE), with 4 production plants in Italy, and has been manufacturing household appliances since 1948.

Smeg operates worldwide through subsidiaries, representative offices and an extensive network of distributors.

Vision, intuition, international scope: the Smeg Group, thanks to a corporate culture that places extreme attention to quality, technological content and attention to energy saving, is recognised internationally as one of the best Made in Italy companies.

EXCELLENCE MADE IN ITALY

Smeg certified laboratories interpret the needs of the industry in the best possible way, through their knowledge of materials and the latest technology. Regular and strict control tests throughout the entire production process testify to the brand's commitment to guaranteeing absolute reliability and improving environmental impact and energy consumption. Thanks to its long and consolidated experience in the in-house production of technologies for the treatment of medical instruments, Smeg is able to guarantee its customers perfect thermal disinfection quality. Washer disinfectors specially designed to cope with continuous thermal disinfection processes and the use of chemical disinfectants for the most critical situations.



CERTAINTY OF RESULTS

Quality

Smeg's Quality System complies with 93/42/EEC directive and s.m.i, ISO 9001:2015 and ISO 13485:2016 standards, as attested by the relevant certificates.

All washer-disinfectors, classified as class IIb medical devices, are CE certified and comply with EN 15883.

A0 parameter

Smeg washer-disinfectors offer a wide choice of programmes with pre-set or selectable A0 values depending on the type of instruments to be treated. The value of A0 displays in real time and/or is printed out.

Traceability

The Smeg washer-disinfector range offers all connection and data storage options for traceability in line with the international EN ISO 15883 standards.





THE DIFFERENT TYPES OF PRODUCTS AS WELL AS THE DIFFERENT SOLUTIONS ARE SPECIFICALLY DESIGNED TO MEET THE NEEDS OF OPERATORS IN THE VARIOUS FIELDS OF EQUIPMENT USE.

SIMPLE TO USE

Each function of the Smeg washer disinfector is controlled by user-friendly and highly intuitive display in order to facilitate the use of the equipment.



FLEXIBILITY

Smeg machines are designed to meet different washing requirements. These include surgical instruments, containers, miniminvasive instruments, endoscopy, optics, anesthesia sets and OP shoes. This is thanks to a wide range of inserts and accessories studied by the R & D department, along with specific washing programs which operate according to the material to be treated and to always obtain repeatable, safe and validated results.



VERY LOW NOISE

Smeg instrument washer disinfectors are designed to be as quiet as possible during each process. This ensures healthy working environments.

In the sterilisation and sub-sterilisation rooms, washing and thermal disinfection are today considered a fundamental step in the sterilization process.

The use of professional washer disinfectors is indispensable especially in the areas of treatment of surgical instruments, from minimally invasive to the processing of instruments used by the Da Vinci robot. The use of professional washer is also essential in the treatment of OP-shoes, in the lactarium, for washing and sanitizing bottles and teats, and infectious disease centres.

The Smeg washer disinfectors are versatile and flexible to suit all customer washing needs.



BABY BOTTLES

The new washer disinfectors models include specific programs for the treatment of baby bottles and teats used in neonatology departments to ensure complete elimination of possible sources of infection.



WASHER DISINFECTOR FOR INSTRUMENTS

The cleaning and thermal disinfection of operating room instrumentation (from stainless steel instruments for orthopedics and general surgery up to the most delicate sets for minimally invasive surgery, laparoscopy and orthopaedics), through the use of the Smeg washer disinfectors, is the necessary prerequisite for complete sterilization.



WASHER DISINFECTOR FOR OP SHOES

Thanks to special supports, Smeg's new generation washer disinfectors are a professional solution for the accurate and systematic treatment of heat-resistant op-shoes of medical and paramedical staff.



FREE-STANDING

Washer disinfectors can be installed freestanding.



8
DIN



12
DIN



18
DIN

Maximum number of CSKDIN basket inside the washing chamber.

WASHER DISINFECTOR WD2145



BASIC LINE

WD2145 IS A WASHER DISINFECTOR WITH SLIM DIMENSIONS, DESIGNED WITH TWO WASHING LEVELS. THE WASHING CHAMBER MEASURES 370X480X620MM (105 LITRES) AND HAS THE CAPABILITY OF WASHING AND THERMAL DISINFECTION (UP TO 95°C).



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D-ZCS1

WASHING SOLUTION FOR OP SHOES (D-ZCS1 TROLLEY FOR A MAXIMUM OF 3 PAIRS OF OP SHOES)



CSK1/3

WASHING SOLUTION FOR SURGICAL INSTRUMENTS (CSK1/3 BASKET TO INSERT IN THE BASIC TROLLEYS D-CS1 AND D-CS2 WITH OTHER BASKETS AS FOR EXAMPLE D-CM1 AND D-SV)



D-ZCS2

WASHING SOLUTION FOR OP SHOES (D-ZCS2 TROLLEY FOR A MAXIMUM OF 4 PAIRS OF OP SHOES)



CB18

BASKET WITH LID FOR 18X250 ML BABY BOTTLES



Other versions:

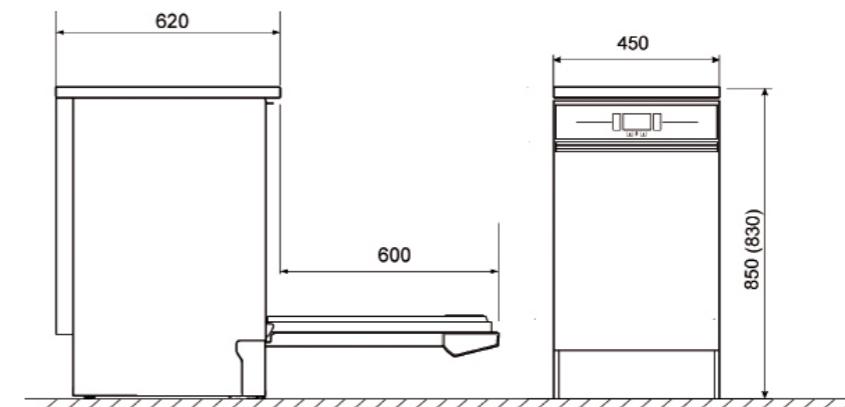
CB18/100: basket with lid for 18x100 ml baby bottles

CB18/120: basket with lid for 18x120 ml baby bottles



WD2145 TECHNICAL FEATURES

| | |
|---|---|
| All versions | |
| Electronic control | Microprocessor |
| Standard programs stored | 15 |
| Display with segments and communication led icons | Yes |
| Clock and calendar | Yes |
| Phase parameters | Type of water, detergent quantity, target temperature, extension time in minutes, temperature |
| Tank internal temperature | From room temperature to 95°C |
| Accuracy | 0,1°C |
| Temperature sensors in tank | 2 x PT 1000 CLASS B IEC 60751 |
| Display | 4 digits |
| Detergent and neutralizing agent dosing system | 2 pumps as standard |
| Detergent level sensor | Yes |
| Safety lock | Yes, with electromagnetic release and automatic opening |
| Safety devices | Safety thermostats, door interlock |
| Alarm display | 30 |
| Troubleshooting menu | Yes, using PC connection |
| Program editing | Yes |
| AUXILIARY FUNCTIONS | |
| Traceability | Storage of data for 250 most recently run programs |
| RS232 serial port for PC connection | Yes |
| RS232 serial port for printer | Yes |
| Cycle storage | Yes |
| Cycle file download | Yes |
| WATER SUPPLY (PRESSURE 1,5-5 BAR) | |
| Cold water inlet | Yes, hardness max 42°F |
| Demineralized water inlet | Yes, < 20 µS/cm |
| Demineralized water booster pump | Optional |
| Water softener incorporated | Yes |
| Recirculation pump | 200 l/min |
| WATER HEATING | |
| Electrical | 3,0 kW Max |
| STEAM CONDENSER | |
| DIMENSIONS LDXH MM | |
| Outside (with built-in top) | 450x620x850 (830) |
| Inside | 370x480x620 |
| Net weight (Kg) | 56 |
| STAINLESS STEEL | |
| Wash tank | AISI 316L |
| Exterior covering | AISI 304 |
| ELECTRICAL POWER SUPPLY | |
| Max. voltage/power | 1/N/PE 230V ~ 50Hz 3,3 kW |
| NOISE LEVEL | |
| max 50 dB | |



WASHER DISINFECTOR WD1160

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DIN**BASIC LINE**

WD1160 IS A WASHER DISINFECTOR DESIGNED TO WORK WITH TWO TO FOUR WASHING LEVELS (UP TO 8 CSK DIN BASKET).

THE WASHING CHAMBER MEASURES 530X510X620MM (150 LITRES) AND HAS THE CAPABILITY OF WASHING AND THERMAL DISINFECTION (UP TO 95°C).

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CPCENDO

WASHING SOLUTION OF CONTAINERS FOR ENDOSCOPES (CPCENDO TROLLEY)



ZCS1

WASHING SOLUTION FOR OP SHOES (ZCS1 TROLLEY FOR A MAXIMUM OF 4 PAIRS OF OP SHOES)



CSK4B

WASHING SOLUTION FOR SURGICAL INSTRUMENTS (CSK4B TROLLEY WITH N. 4 CSK DIN BASKET MAX)



ZCS2B

WASHING SOLUTION FOR OP SHOES (ZCS2 TROLLEY FOR A MAXIMUM OF 10 PAIRS OF OP SHOES)



CS3

WASHING SOLUTION FOR BABY BOTTLES WITH LIDS OF DIFFERENT DIMENSIONS AND PACIFIERS (TROLLEY CS3 WITH BASKET OF CB SERIE AND CPS20)



D-SV

WASHING SOLUTION FOR ODONTOIATRIC INSTRUMENTS (BASKET D-SV TO INSERT IN THE BASIC TROLLEY CS1-1 AND CS2 WITH OTHER BASKETS AS FOR EXAMPLE D-CM1 AND CSMICRO2/3)



BFS

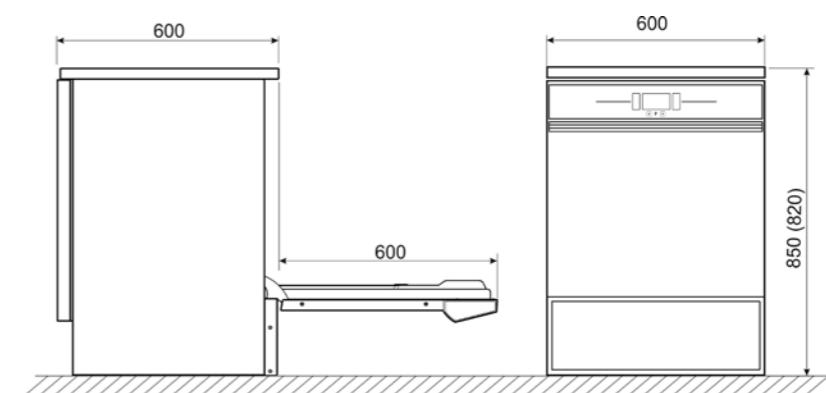
WASHING SOLUTION FOR GYNAECOLOGICAL INSTRUMENTS (ACCESSORY BFS TO INSERT IN THE BASIC TROLLEYS CS1-1 AND CS2)



WD1160 TECHNICAL FEATURES

All versions

| | |
|---|---|
| Electronic control | Microprocessor |
| Standard programs stored | 15 |
| Display with segments and communication led icons | Yes |
| Clock and calendar | Yes |
| Phase parameters | Type of water, detergent quantity, target temperature, extension time in minutes, temperature |
| Tank internal temperature | From room temperature to 95°C |
| Accuracy | 0,1°C |
| Temperature sensors in tank | 2 x PT 1000 CLASS B IEC 60751 |
| Display | 4 digits |
| Detergent and neutralizing agent dosing system | Max 3 pumps, 2 pumps as standard |
| Detergent level sensor | Yes |
| Safety lock | Yes, with electromagnetic release and automatic opening |
| Safety devices | Safety thermostats, door interlock |
| Alarm display | 30 |
| Troubleshooting menu | Yes |
| Program editing | Yes |
| AUXILIARY FUNCTIONS | |
| Traceability | Yes |
| RS232 serial port for PC connection | Yes |
| RS232 serial port for printer | Yes |
| Cycle storage | Yes |
| Cycle file download | Yes |
| WATER SUPPLY (PRESSURE 1,5-5 BAR) | |
| Cold water inlet | Yes, hardness max 42°F |
| Demineralized water inlet | Yes, < 20 µS/cm |
| Demineralized water booster pump | Optional |
| Water softener incorporated | Yes |
| Recirculation pump | 400 l/min |
| WATER HEATING | |
| Electrical | 6,3 kW on tri-phase version, 2,3 kW on single-phase version |
| STEAM CONDENSER | |
| DIMENSIONS LxDxH MM | |
| Outside (with built-in top) | 600x600x850 (830) |
| Inside | 530x510x620 |
| Net weight (Kg) | 74 |
| STAINLESS STEEL | |
| Wash tank | AISI 316L |
| Exterior covering | AISI 304 |
| ELECTRICAL POWER SUPPLY | |
| Max. voltage/power | 1/N/PE 230V ~ 50Hz 2,8 kW, 3/N/PE 400V - 50 Hz 7,0 kW |
| NOISE LEVEL | |
| max 50 dB | |



WASHER DISINFECTOR WD4060



BASIC LINE

WD4060 IS A WASHER DISINFECTOR DESIGNED TO WORK WITH TWO TO FOUR WASHING LEVELS (UP TO 8 CSK DIN BASKET). THE WASHING CHAMBER MEASURES 530X510X620 MM (150 LITRES) AND HAS THE CAPABILITY OF WASHING, CHEMICAL DISINFECTION, THERMAL DISINFECTION (UP TO 95°C) AND ACTIVE DRYING WITH HEPA FILTER.



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EF5DS

WASHING SOLUTION FOR RIGID VIDEO LAPAROSCOPE AND ENDOSCOPE (EF5DS TROLLEY)



ZCS3B

WASHING SOLUTION FOR OP SHOES (ZCS3B TROLLEY FOR A MAXIMUM OF 14 PAIRS OF OP SHOES)



CSK6B

WASHING SOLUTION FOR SURGICAL INSTRUMENTS (CSK6B TROLLEY WITH N. 6 CSK DIN BASKET MAX)





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WD4060 TECHNICAL FEATURES

All versions

| | |
|---|---|
| Electronic control | Microprocessor |
| Standard programs stored | 15 |
| Display with segments and communication led icons | Yes |
| Clock and calendar | Yes |
| Phase parameters | Type of water, detergent quantity, target temperature, extension time in minutes, temperature |
| Tank internal temperature | From room temperature to 95°C |
| Accuracy | 0,1°C |
| Temperature sensors in tank | 2 x PT 1000 CLASS B IEC 60751 |
| Display | 4 digits |
| Detergent and neutralizing agent dosing system | Max 3 pumps, 2 pumps as standard |
| Detergent level sensor | Yes |
| Safety lock | Yes, with electromagnetic release and automatic opening |
| Safety devices | Safety thermostats, door interlock |
| Alarm display | 30 |
| Troubleshooting menu | Yes |
| Program editing | Yes |

AUXILIARY FUNCTIONS

| | |
|-------------------------------------|-----|
| Traceability | Yes |
| RS232 serial port for PC connection | Yes |
| RS232 serial port for printer | Yes |
| Cycle storage | Yes |
| Cycle file download | Yes |

DRYING SYSTEM

| | |
|------------------------|---------|
| Drying fan | Yes |
| Drying heating element | 0,8 kW |
| Prefilter class C | 98% |
| HEPA filter Class S | 99.999% |

**WATER SUPPLY
(PRESSURE 1,5-5 BAR)**

| | |
|----------------------------------|------------------------|
| Cold water inlet | Yes, hardness max 42°F |
| Demineralized water inlet | Yes |
| Demineralized water booster pump | Optional |
| Water softener incorporated | Yes |
| Recirculation pump | 400 l/min |

WATER HEATING

| | |
|-----------------|---|
| Electrical | 6,3 kW on tri-phase version, 2,3 kW on single-phase version |
| Steam condenser | Yes |

DIMENSIONS LXDXH MM

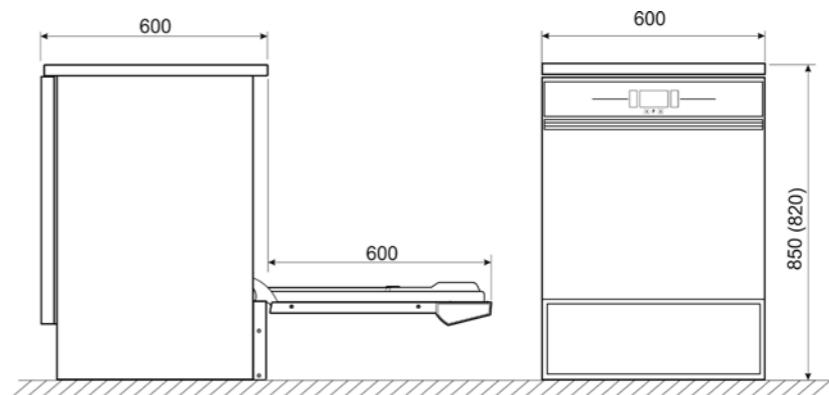
| | |
|-----------------------------|-------------------|
| Outside (with built-in top) | 600x600x850 (830) |
| Inside | 530x510x620 |
| Net weight (Kg) | 77 |

STAINLESS STEEL

| | |
|-------------------|-----------|
| Wash tank | AISI 316L |
| Exterior covering | AISI 304 |

ELECTRICAL POWER SUPPLY

| | |
|--------------------|--|
| Max. voltage/power | 1/N/PE 230V ~ 50Hz 2,8 kW 3/N/PE 400V - 50 Hz 7,0 kW |
| NOISE LEVEL | max 50 dB |



WASHER DISINFECTOR WD4190



BASIC LINE

WD4190 IS A WASHER DISINFECTOR DESIGNED TO WORK WITH TWO TO FOUR WASHING LEVELS (UP TO 8 CSKDIN BASKET). A DETERGENT CABINET IS INCORPORATED. THE WASHING CHAMBER MEASURES 530X510X620 MM (150 LITRES) AND HAS THE CAPABILITY OF WASHING, CHEMICAL DISINFECTION, THERMAL DISINFECTION (UP TO 95°C) AND ACTIVE DRYING WITH HEPA FILTER.



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CSK8B

WASHING SOLUTION FOR SURGICAL INSTRUMENTS (CSK8B TROLLEY WITH N. 8 CSKDIN BASKET MAX)



AE2BDS

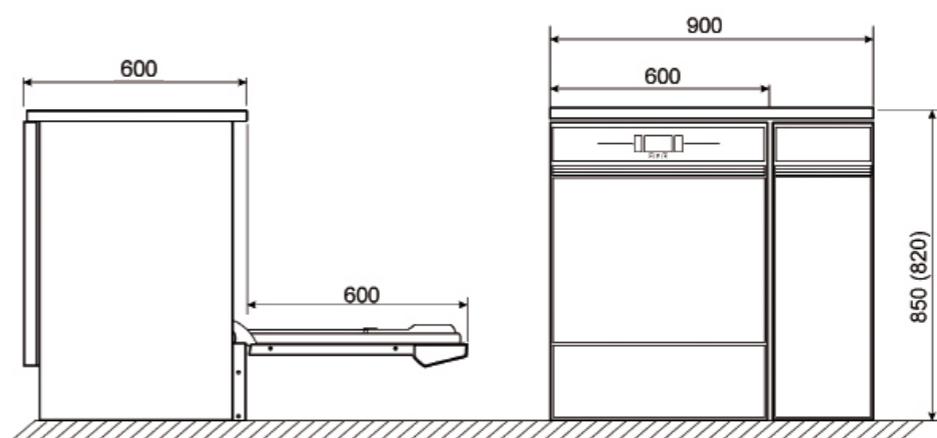
WASHING SOLUTION FOR ANESTHESIA INSTRUMENTS (AE2BDS TROLLEY)





WD4190 TECHNICAL FEATURES

| | |
|---|---|
| All versions | |
| Electronic control | Yes |
| Standard programs stored | 15 |
| Display with segments and communication led icons | Yes |
| Clock and calendar | Yes |
| Phase parameters | Type of water, detergent quantity, target temperature, extension time in minutes, temperature |
| Tank internal temperature | From room temperature to 95°C |
| Accuracy | 0,1°C |
| Temperature sensors in tank | 2 x PT 1000 CLASS B IEC 60751 |
| Display | 4 digits |
| Detergent and neutralizing agent dosing system | Max 3 pumps, 2 pumps as standard |
| Detergent level sensor | Yes |
| Safety lock | Yes, with electromagnetic release and automatic opening |
| Safety devices | Safety thermostats, door interlock |
| Alarm display | 30 |
| Troubleshooting menu | Yes |
| Program editing | Yes |
| Built-in Detergent Cabinet | Yes |
| AUXILIARY FUNCTIONS | |
| Traceability | Yes |
| RS232 serial port for PC connection | Yes |
| RS232 serial port for printer | Yes |
| Panel printer | Yes, optional |
| Cycle storage | Yes |
| Cycle file download | Yes |
| DRYING SYSTEM | |
| Drying fan | Yes |
| Drying heating element | 0,8 kW |
| Prefilter class C | 98% |
| HEPA filter Class S | 99.999% |
| WATER SUPPLY (PRESSURE 1,5-5 BAR) | |
| Cold water inlet | Yes, hardness max 42°F |
| Demineralized water inlet | Yes |
| Demineralized water booster pump | Optional |
| Water softener incorporated | Yes |
| Recirculation pump | 400 l/min |
| WATER HEATING | |
| Electrical | 6,3 kW on tri-phase version, 2,3 kW on single-phase version |
| STEAM CONDENSER | |
| DIMENSIONS LXDXH MM | |
| Outside (with built-in top) | 900x600x850 (830) |
| Inside | 530x510x620 |
| Net weight (Kg) | 83 |
| STAINLESS STEEL | |
| Wash tank | AISI 316L |
| Exterior covering | AISI 304 |
| ELECTRICAL POWER SUPPLY | |
| Max. voltage/power | 1/N/PE 230V ~ 50Hz 2,8 kW 3/N/PE 400V ~ 50Hz 7,0 kW |
| NOISE LEVEL | |
| max | 50 dB |



WASHER DISINFECTOR WD5090T



8
DIN

PROFESSIONAL LINE

WD5090T IS A WASHER DISINFECTOR DESIGNED TO WORK WITH TWO TO FOUR WASHING LEVELS (UP TO 8 CSKDIN BASKET). THE MACHINE HAS A PROFESSIONAL ELECTRONIC CONTROL WITH LCD GRAPHIC DISPLAY, WHICH CONTROLS THE WASHING QUANTITY AND ALLOWS CONNECTION TO THE LOCAL NETWORK. A DETERGENT CABINET IS INCORPORATED. THE WASHING CHAMBER MEASURES 530X510X620 MM (150 LITRES), THE POSSIBILITY OF WASHING, CHEMICAL DISINFECTION, THERMAL DISINFECTION (UP TO 95°C) AND ACTIVE DRYING WITH HEPA FILTER.



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CSK6B

WASHING SOLUTION FOR SURGICAL INSTRUMENTS
(CSK6B TROLLEY WITH N. 6 CSKDIN BASKET MAX)



EF5DS

WASHING SOLUTION FOR RIGID VIDEO LAPAROSCOPE
AND ENDOSCOPE (EF5DS TROLLEY)



CSK4BMIC

WASHING SOLUTION FOR SURGICAL INSTRUMENTS
AND MINIMALLY INVASIVE SURGERY ACCESSORIES
(CSK4BMIC TROLLEY WITH 1 KITMIC BASKET TO PUT
INSIDE MINIMALLY INVASIVE SURGERY ACCESSORIES
AND N. 3 CSKDIN BASKETS FOR SURGICAL
INSTRUMENTS).



AE2BDS

WASHING SOLUTION FOR ANESTHESIA INSTRUMENTS (AE2BDS TROLLEY)



CPC1B

WASHING SOLUTION FOR MAX 2 CONTAINERS TROLLEY FOR WASHING UP TO 2 CONTAINERS WITH THEIR LIDS. DIMENSIONS PER CONTAINER (LXWXH) 300X300X150 MM.



CM3

WASHING SOLUTION FOR MASKS (CM3 TROLLEY)



WD5090 TECHNICAL FEATURES

All versions

| | |
|---|---|
| Electronic control | Yes |
| Standard programs stored | 30 (expandable to 50) |
| Display with segments and communication led icons | Yes |
| Clock and calendar | Yes |
| Phase parameters | Type of water, detergent quantity, target temperature, extension time in minutes u.d. pag. 37 |
| Tank internal temperature | From room temperature to 95°C |
| Accuracy | 0,1°C |
| Temperature sensors in tank | 2 x PT 1000 CLASS B IEC 60751 |
| Backlit graphic LCD display | 128x64 pixels |
| Detergent and neutralizing agent dosing system | Max 4 pumps, 2 pumps as standard |
| Detergent level sensor | Yes |
| Safety lock | Yes, with electromagnetic release and automatic opening |
| Safety devices | Safety thermostats, door interlock |
| Alarm display | 80 |
| Troubleshooting menu | Yes |
| Program editing | Yes |
| Display languages | Italian, English, French, German, Russian, Spanish, Turkish and others on request |
| Built-in Detergent Cabinet | Yes |

AUXILIARY FUNCTIONS

| | |
|---|---------------|
| External sensor duct | Optional |
| Waste water separation solenoid valve control | Optional |
| Traceability | Yes |
| RS232 serial port for PC connection | Yes |
| RS232 serial port for printer | Yes |
| Panel printer | Yes, optional |
| Cycle storage | Yes |
| Cycle file download | Yes |

DRYING SYSTEM

| | |
|------------------------|---------|
| Drying fan | Yes |
| Drying heating element | 2,5 Kw |
| Prefilter class C | 98% |
| HEPA filter Class S | 99.999% |

ALIMENTAZIONE IDRICA (PRESSIONE 1,5-5 bar)

| | |
|----------------------------------|------------------------|
| Cold water inlet | Yes, hardness max 42°F |
| Demineralized water inlet | Yes |
| Demineralized water booster pump | Optional |
| Water softener incorporated | Yes |
| Recirculation pump | 400 l/min |

WATER HEATING

| | |
|------------------------------|----------|
| Electrical | 6,3 kW |
| Water pre-heating via boiler | Optional |
| STEAM CONDENSER | Yes |

DIMENSIONS LXDXH MM

| | |
|-----------------------------|-------------------|
| Outside (with built-in top) | 900x640x850 (830) |
| Inside | 530x510x620 |
| Net weight (Kg) | 83 |

STAINLESS STEEL

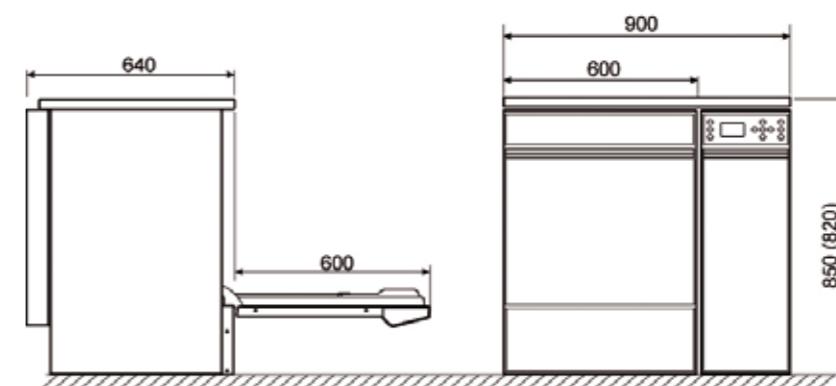
| | |
|-------------------|-----------|
| Wash tank | AISI 316L |
| Exterior covering | AISI 304 |

ELECTRICAL POWER SUPPLY

| | |
|--------------------|---------------------------|
| Max. voltage/power | 3/N/PE 400V ~ 50Hz 7,0 kW |
|--------------------|---------------------------|

NOISE LEVEL

max 50 dB



WASHER DISINFECTOR WD6010



PROFESSIONAL LINE

WD6010 IS A SINGLE OR DOUBLE GLASS DROP DOWN DOOR WASHER-DISINFECTOR. WASHING CAPACITY OF UP TO 12 DIN BASKETS WITH 65-CM WIDTH. THE DROP DOWN DOOR ALLOWS THE OPERATOR TO ERGONOMICALLY LOAD AND UNLOAD THE BASKETS INCLUDED IN THE TROLLEY WITHOUT HAVING TO LIFT HEAVY WEIGHTS.

ALSO AVAILABLE IN A VERSION WITH TURBO CYCLES (WD6010T MODEL).



CSK1010

CSK1010: 5-LEVEL TROLLEY WITH CAPACITY FOR UP TO 10 DIN BASKETS. EQUIPPED WITH A BUILT-IN SPRAY ARM ON EACH LEVEL.



SCDIN10

SCDIN10: SUPPORT FOR WASHING DIN CONTAINERS. TO BE USED IN COMBINATION WITH TROLLEY TYPE CSK1210UNIV OR CSK1210FLEX.



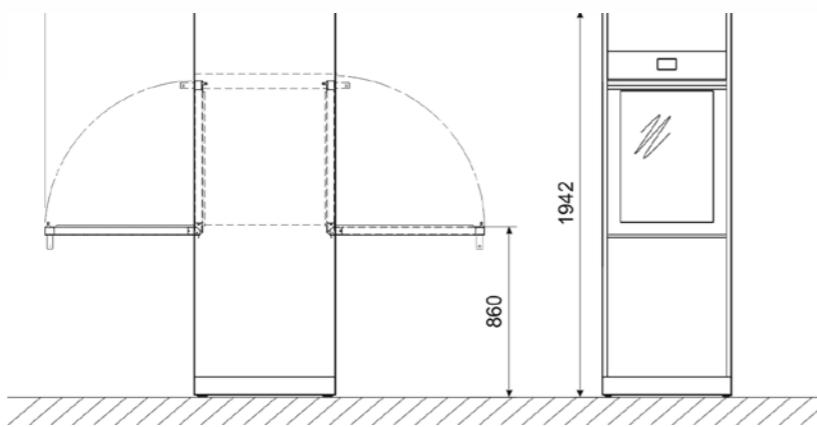
INSPMIC10

INSPMIC10: INSERT FOR MINIMALLY INVASIVE SURGERY INSTRUMENTS TO BE USED IN COMBINATION WITH THE CSK1010FLEX TROLLEY. SUITABLE FOR WASHING CANNULATED SURGICAL INSTRUMENTS AND HOLLOW INSTRUMENTS.





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WD6010 TECHNICAL FEATURES

| | |
|---|---|
| All versions | |
| Glass doors: n and type | 2 - flap (single door and/or steel door models available) |
| Electronic control | Yes |
| Standard programs stored | 20 |
| Freely editable custom programs | Yes |
| Phase parameters | Water type, detergent quantity, target temperature, time extension |
| Tank internal temperature | From room-temperature to 95°C |
| Accuracy | 0,1°C |
| Temperature sensors in tank | 2 x PT 1000 CLASS B IEC 60751 |
| Display | Multilingual graphic touch screen, color TFT type |
| Detergent and neutralizing agent dosing system | Max. 4 peristaltic pumps, of which 2 as standard |
| Detergent level sensor | Yes |
| Detergent dosage control | Yes |
| Safety lock | Yes, with security unlocking system |
| Safety devices | Safety thermostats, door locks, interlocked doors, emergency door release, switch general safety power supply |
| Alarm display | >100 |
| Troubleshooting menu | Yes |
| Program editing | Yes |
| Display languages | Italian, English, French, German, Russian, Spanish, Portuguese, Polish |
| AUXILIARY FUNCTIONS | |
| Duct for introducing external probes | Yes |
| Control system for drain separation solenoid valves | Yes |
| USB port | Yes, for downloading wash cycles on a flash drive |
| LAN port | Optional |
| Printer | Integrated (Optional) |
| Cycles archiving | Yes |
| Download archive cycles | Yes |
| DRYING SYSTEM | |
| Drying fan | Yes |
| Drying heating element | 3,6 kW |
| Prefilter class C | 98% |
| HEPA filter Class S | 99.999% |
| WATER SUPPLY (PRESSURE 1,5-5 BAR) | |
| Cold water inlet | Yes |
| Deminerlized water inlet | Yes |
| Deminerlized water booster pump | Yes |
| Water softener incorporated | Optional |
| Incorporated softener | No |
| Recirculation pump | 600 l/min |
| Drain | Floor drainage (possibility of wall drainage with optional pump) |
| WATER HEATING | |
| Electrical | 12kW |
| Boiler for water preheating | Optional, specific model available |
| STEAM CONDENSER | |
| DIMENSIONS LDXH MM | |
| Outside (with built-in top) | 650 x 720 x 1950 |
| Inside | 550 x 620 x 685 |
| Net weight (Kg) | 280 |
| STAINLESS STEEL | |
| Wash tank | AISI 316L |
| Exterior covering | AISI 304 |
| ELECTRICAL POWER SUPPLY | |
| Max. voltage/power | 400V 3N~ / 50Hz / 13 kW |
| NOISE LEVEL | |
| Max 66 dBA | |

WASHER DISINFECTOR WD7010



PROFESSIONAL LINE

WD7010 IS A SINGLE OR DOUBLE GLASS DOOR WASHER-DISINFECTOR WITH AUTOMATIC DOWNWARD SLIDING OPENING/CLOSING. WASHING CAPACITY OF UP TO 12 DIN BASKETS WITH 78-CM WIDTH. LATEST FULL TOUCH ELECTRONIC CONTROL. RELIABLE RESULTS GUARANTEED.

ALSO AVAILABLE IN THE VERSION WITH TURBO CYCLES (WD7010T MODEL).



CSK10

5-LEVEL TROLLEY FOR FLEXIBLE WASHING OF BOTH DIN BASKETS AND CONTAINERS



SZ1010

WASHING SOLUTION FOR OP SHOES. TROLLEY CSK1210FLEX/CSK1210UNIV (MAX 2 PAIRS- TOT 20 PAIRS) OR CSK1010FLEX (MAX 1- TOT 10 PAIRS)



CSK1010FLEX

5-LEVEL TROLLEY WITH CAPACITY FOR UP TO 10 DIN BASKETS, WITH SHELVES 2, 4 AND 5 THAT CAN BE PULLED OUT



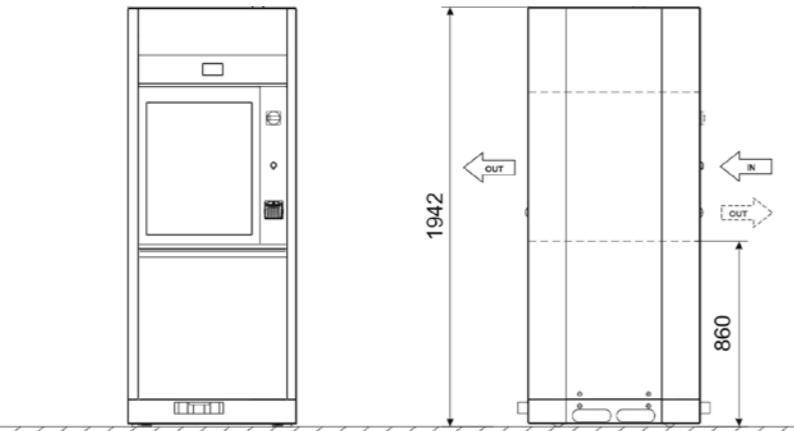
INSPMIC10

INSPMIC10: INSERT FOR MINIMALLY INVASIVE SURGERY INSTRUMENTS TO BE USED IN COMBINATION WITH THE CSK1010FLEX TROLLEY. SUITABLE FOR WASHING CANNULATED SURGICAL INSTRUMENTS AND HOLLOW INSTRUMENTS.





CE 0051



WD7010 TECHNICAL FEATURES

| | |
|---|---|
| All versions | |
| Glass doors: n and type | 2 - sliding |
| Electronic control | Yes |
| Standard programs stored | 20 |
| Freely editable custom programs | Yes |
| Phase parameters | Water type, detergent quantity, target temperature, time extension |
| Tank internal temperature | from room-temperature to 95°C |
| Accuracy | 0,1°C |
| Temperature sensors in tank | 2 x PT 1000 CLASS B IEC 60751 |
| Display | Multilingual graphic touch screen, color TFT type |
| Detergent and neutralizing agent dosing system | Max. 4 peristaltic pumps, of which 2 as standard |
| Detergent level sensor | Yes |
| Detergent dosage control | Yes |
| Safety lock | Yes, with security unlocking system |
| Safety devices | Safety thermostats, door locks, interlocked doors, emergency door release, switch general safety power supply |
| Alarm display | >100 |
| Troubleshooting menu | Yes |
| Program editing | Yes |
| Display languages | Italian, English, French, German, Russian, Spanish, Portuguese, Polish |
| AUXILIARY FUNCTIONS | |
| Duct for introducing external probes | Yes |
| Control system for drain separation solenoid valves | Yes, solenoid valves as optional |
| USB port | Yes, for downloading wash cycles on a flash drive |
| LAN port | Optional |
| Printer | Integrated (optional) |
| Cycles archiving | Yes |
| Download archive cycles | Yes |
| DRYING SYSTEM | |
| Drying fan | Yes |
| Drying heating element | 3,6 kW |
| Prefilter class C | 98% |
| HEPA filter Class S | 99.999% |
| WATER SUPPLY (PRESSURE 1-6 BAR) | |
| Cold water inlet | Yes |
| Demineralized water inlet | Yes |
| Demineralized water booster pump | Yes |
| Water softener incorporated | Optional |
| Incorporated softener | No |
| Recirculation pump | 600 l/min |
| Drain | Floor drainage (possibility of wall drainage with optional pump) |
| WATER HEATING | |
| Electrical | 12kW |
| Boiler for water preheating | Optional, specific model available |
| STEAM CONDENSER | |
| Yes, optional | |
| DIMENSIONS LDXH MM | |
| Outside (with built-in top) | 780 x 800 x 1950 |
| Inside | 550 x 620 x 685 |
| Net weight (Kg) | 300 |
| STAINLESS STEEL | |
| Wash tank | AISI 316L |
| Exterior covering | AISI 304 |
| ELECTRICAL POWER SUPPLY | |
| Max. voltage/power | 400V 3N~ / 50Hz / 13 kW |
| NOISE LEVEL | |
| Max | 66 dBA |

WASHER DISINFECTOR WD7015



WD7015 IS A SINGLE OR DOUBLE GLASS DOOR WASHER-DISINFECTOR WITH AUTOMATIC DOWNWARD SLIDING OPENING/CLOSING. WASHING CAPACITY OF UP TO 18 DIN BASKETS WITH 90-CM WIDTH. LATEST FULL TOUCH ELECTRONIC CONTROL. RELIABLE RESULTS GUARANTEED.

ALSO AVAILABLE IN THE VERSION WITH TURBO CYCLES (WD7015T MODEL).



CE
0051

CSK1815FLEX

6 WASHING LEVEL FLEXIBLE TROLLEY



6-level flexible trolley with capacity for up to 18 DIN baskets. The intermediate levels are equipped with a built-in spray arm, while the upper and lower levels are washed by sprayers on the top and bottom of the tank. Removable washing racks for handling instruments/objects with different heights.

CPCDIN415

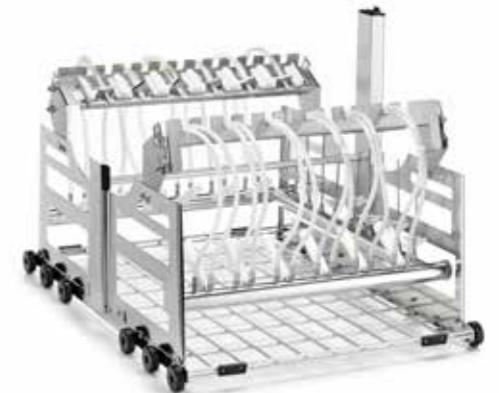
INJECTION MOULDED TROLLEY FOR WASHING
4 CONTAINERS + 4 LIDS (MAX. CONTAINER
DIMENSIONS LxWxH: 600X300X270 MM).



PROFESSIONAL LINE

CSKDAVSI1215

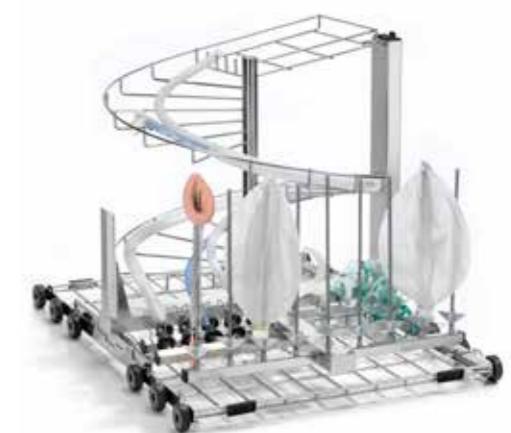
ROBOT FOR WASHING INSTRUMENTATION USED
BY DA VINCI SURGICAL SYSTEM I



Instrument washing trolley series Si 5-8 mm used by Da Vinci Surgical System. Also equipped with 2 connections for the connection of control probes (one for each collector branch), interlocking system, 2 micro-filters (one for each collector branch) and the possibility of housing up to 3 x CSKDIN (not included) on the bottom plate. Also available in other configurations.

CSKAE1015

ANAESTHESIA SET WASHING TROLLEY EQUIPPED
WITH INJECTION SUPPORTS FOR CORRUGATED
TUBES, MAX. LENGTH 1500 MM, NOZZLES FOR ET
TUBES, MASKS AND ACCESSORIES AND NOZZLES
FOR FLASKS.



CB7015

THE SMEG CB7015 CONVEYOR BELT IS A SYSTEM FOR THE AUTOMATIC LOADING AND UNLOADING OF WASHING TROLLEYS TO BE INTEGRATED ON MACHINES EQUIPPED WITH DOUBLE DOORS, AUTOMATIC AND SLIDING DOORS. ENABLES GREATER PROCESS AUTOMATION, ENSURING MAXIMUM EFFICIENCY AND PRODUCTIVITY



CB7015L1 e CB7015U1



CB7015L1T



CB7015L2 e CB7015U2



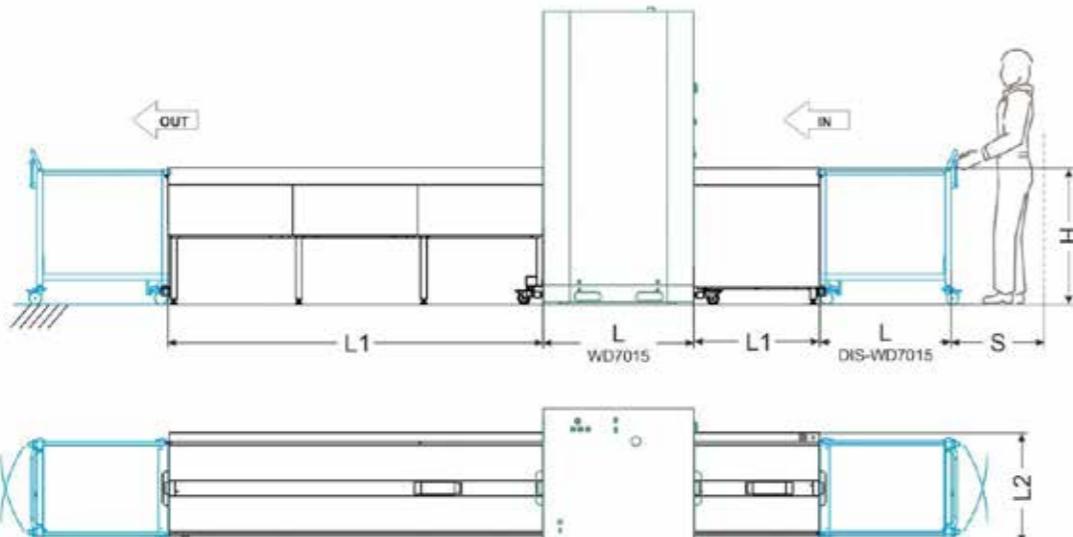
CB7015L2T



CB7015L3 e CB7015U3



CB7015L3T



| | L1 - HEIGHT (mm) | L2 - WIDTH (mm) | H - DEPTH (mm) |
|-----------|------------------|-----------------|----------------|
| CB7015L1 | 833 | 738 | 890 |
| CB7015L2 | 1666 | 738 | 890 |
| CB7015L3 | 2497 | 738 | 890 |
| CB7015L1T | 833 | 738 | 890 |
| CB7015L2T | 1666 | 738 | 890 |
| CB7015L3T | 2497 | 738 | 890 |
| CB7015U1 | 833 | 738 | 890 |
| CB7015U2 | 1666 | 738 | 890 |
| CB7015U3 | 2497 | 738 | 890 |

WD7015 TECHNICAL FEATURES

| | |
|---|---|
| All versions | |
| Glass doors: n and type | 2 - sliding |
| Electronic control | Yes |
| Standard programs stored | 20 |
| Freely editable custom programs | Yes |
| Phase parameters | Water type, detergent quantity, target temperature, time extension |
| Tank internal temperature | From room-temperature to 95°C |
| Accuracy | 0,1°C |
| Temperature sensors in tank | 2 x PT 1000 CLASSI B IEC 60751 |
| Display | Multilingual graphic touch screen, color TFT type |
| Detergent and neutralizing agent dosing system | Max. 4 peristaltic pumps, of which 2 as standard |
| Detergent level sensor | Yes |
| Detergent dosage control | Yes |
| Safety lock | Yes, with security unlocking system |
| Safety devices | Safety thermostats, door locks, interlocked doors, emergency door release, switch general safety power supply |
| Alarm display | >100 |
| Troubleshooting menu | Yes |
| Program editing | Yes |
| Display languages | Italian, English, French, German, Russian, Spanish, Portuguese, Polish |
| AUXILIARY FUNCTIONS | |
| Duct for introducing external probes | Yes |
| Control system for drain separation solenoid valves | Yes, solenoid valves as optional |
| USB port | Yes, for downloading wash cycles on a flash drive |
| LAN port | Optional |
| Printer | Integrated(optional) |
| Cycles archiving | Yes |
| Download archive cycles | Yes |
| DRYING SYSTEM | |
| Drying fan | Yes - 2 |
| Drying heating element | 7,2 kW |
| Prefilter class C | 98% |
| HEPA filter Class S | 99.999% |
| WATER SUPPLY (PRESSURE 1-6 BAR) | |
| Cold water inlet | Yes |
| Demineralized water inlet | Yes |
| Demineralized water booster pump | Yes |
| Water softener incorporated | Optional |
| Incorporated softener | No |
| Recirculation pump | 1.200 l/min |
| Drain | Floor drainage (possibility of wall drainage with optional pump) |
| WATER HEATING | |
| Electrical | 18kW |
| Boiler water preheating | Optional, specific model available |
| STEAM CONDENSER | Yes, optional |
| DIMENSIONS LDXH MM | |
| Outside (with built-in top) | 900 x 1000 x 1950 |
| Inside | 626 x 812 x 685 |
| Net weight (Kg) | 400 |
| STAINLESS STEEL | |
| Wash tank | AISI 316L |
| Exterior covering | AISI 304 |
| ELECTRICAL POWER SUPPLY | |
| Max. voltage/power | 400V 3N~ / 50Hz / 20 kW |
| NOISE LEVEL | Max 66 dBA |

ACCESSORIES

SURGICAL INSTRUMENTS BASKETS WITH RAILS

COMPATIBLE
WD2145
WD1160
WD4060
WD4190
WD5090T



D-CS1

UPPER LEVEL SURGICAL INSTRUMENT BASKETS

Basic upper basket with sprayer for the WD2145 series.
Suitable for surgical instrument treatment.



D-CS2

LOWER LEVEL SURGICAL INSTRUMENT BASKETS

Basic lower basket with sprayer for the WD2145 series.
Suitable for surgical instrument treatment.



CS1-1

UPPER LEVEL SURGICAL INSTRUMENT BASKETS

Basic upper basket with sprayer. Suitable for surgical instrument treatment.



CS2

LOWER LEVEL SURGICAL INSTRUMENT TROLLEY

Basic lower basket with sprayer. Suitable for surgical instrument treatment.

SURGICAL INSTRUMENT BASKETS WITHOUT RAILS

COMPATIBLE
WD1160
WD4060
WD4190
WD5090T



CSK4B

2-LEVEL SURGICAL INSTRUMENT LOAD CARRIER

Suitable for treating standard and large-sized surgical instruments.
Two washing levels served by an incorporated sprayer and sprayer on the bottom of the machine. Minimum working height 165 mm.
To be fitted with 4 CSK DIN baskets.



CSK4BMIC

2-LEVEL SURGICAL INSTRUMENT LOAD CARRIER

Suitable for treating standard and large-sized surgical instruments and, at the same time, minimally invasive surgery accessories.
Two washing levels with an incorporated sprayer on the upper level and the lower level uses the sprayer situated at the bottom of the wash chamber. Connection at the KITMIC10 basket available on the upper level. Minimum working height 165 mm.
To be used with 3 CSK DIN baskets and 1 KITMIC10 basket (instead of 4 DIN baskets) .



CSK6B

3-LEVEL SURGICAL INSTRUMENT LOAD CARRIER

Suitable for treating standard and large-sized surgical instruments.
Three washing levels served by two incorporated sprayers and a sprayer on the bottom of the machine.
Minimum working height 75 mm. To be fitted with 6 CSK DIN



CSK8B

4-LEVEL SURGICAL INSTRUMENT LOAD CARRIER

Suitable for treating standard and large-sized surgical instruments.
Four washing levels served by three incorporated sprayers and a sprayer on the bottom of the machine.
Minimum working height 64 mm. To be fitted with 8 CSK DIN baskets.
CSK8B: The latter solution is particularly suitable for dealing with large quantities of instruments from different sources that need to be kept separate.

ACCESSORIES

INSTRUMENT WASHING TROLLEYS FOR
MINIMALLY INVASIVE SURGERY

COMPATIBLE
WD1160
WD4060
WD4190
WD5090T



EF5

RIGID ENDOSCOPE AND VIDEOLAPAROSCOPE TROLLEY

Injection trolley for washing and drying rigid endoscopy and videolaparoscopy instruments. Special injectors and quick-connect connections inject the detergent and disinfectant solution into the internal channels of the instruments, while external washing is provided by the spray arm at the bottom of the tank. Direct connection to the hydraulic circuit via a self-adjusting quick coupling system.

EF5DS

TROLLEY EQUIPPED WITH DRYING SYSTEM CONNECTION

Trolley equipped with:

- No. 20 injection fittings for processing hollow bodies equipped with:
- No. 6 silicone connections with 1-mm hole
- No. 6 silicone connections with 6-mm hole
- No. 4 silicone connections with 10-mm hole
- No. 4 ULBEF2 fittings
- No. 20 luer lock connections on silicone tubes to connect the instruments
- No. CSK2



AE2BDS

ANESTHESIA LOAD CARRIER

Trolley for treating anaesthesia instruments. It is equipped with an injection system for cleaning the inside of corrugated tubes with 10 nozzles (3 mm diameter) and 3 injectors (6 mm diameter). Direct connection to the hydraulic unit is made through a quick-coupling self-adjusting system.

Equipped with:

- 8 injection supports for corrugated tubes with a max. length of 150mm
- 13 nozzles for catheters
- 3 balloon nozzles
- 4 supports for masks and accessories



CPCENDO

ENDOSCOPE CONTAINER WASHING LOAD CARRIER

Load carrier for washing an endoscope container with cover size max.:

Cover LxPxH = 510x410x30 mm

Container LxPxH = 515x430x120 mm.

To be used with IRCP sky sprayer



CM3

MASK WASHING LOAD CARRIER

Two-level trolley for washing and treating various types of masks. It holds up to 24 masks. Specifically, 8 masks can be placed on the top level and 16 on the bottom level. Uniform mask spraying is guaranteed by the sprayer on the bottom of the wash chamber and by the second sprayer arm placed between the 2 washing levels. Direct connection to the hydraulic unit is made through a quick-coupling self-adjusting system.



CPC1

CONTAINER LOAD CARRIER

Load carrier for washing 2 containers and 2 lids with max. dimensions of 300 x 300 x 150mm (LxDxH). Complete container cleaning is guaranteed by a sprayer arm on the bottom of the wash chamber and by the second one placed on the trolley. Direct connection to the hydraulic unit is made through a quick-coupling self-adjusting system.

ACCESSORIES

OPERATING ROOM SHOES TROLLEY



ZCS3B

WASHING TROLLEY FOR OPERATING ROOM SHOES

Two-layer washing trolley for the treatment of operating room shoes. Capacity 14 pairs of operating room shoes. In particular, it is possible to place 4 pairs of operating room shoes on the upper shelf and 10 pairs of shoes on the lower shelf. The special shape of the hooks supporting the shoes is designed to prevent possible deformation of the rubber due to the temperatures reached in the tank. Uniform spraying of shoes is ensured by the sprayer at the bottom of the tank and a second spraying arm positioned between the two washing layers. Direct connection to the hydraulic circuit via a self-adjusting quick coupling system. Made in stainless steel.



ZCS1

UPPER SURGICAL SHOE BASKET

Upper shoe basket with sprayer. It holds 4 pairs of shoes.

D-ZCS1

UPPER SURGICAL SHOE BASKET

Upper shoe basket with sprayer for WD2145 series. It holds 3 pairs of shoes.



ZCS2B

LOWER SURGICAL SHOE BASKET

Lower shoe trolley. It holds 10 pairs of shoes.

D-ZCS2

LOWER SURGICAL SHOE BASKET

Lower shoe basket for the WD2145 series. It holds 4 pairs of shoes.

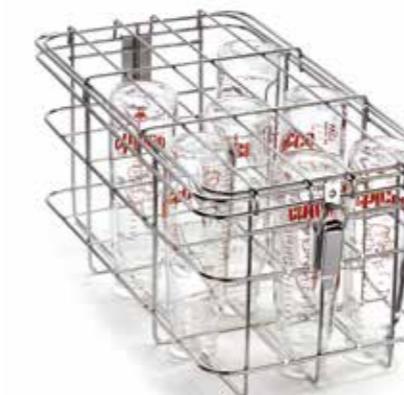
BABY-BOTTLE WASHING ACCESSORIES



CS3

UNIVERSAL SUPPORT LOAD CARRIER

Two-level universal support load trolley with an incorporated sprayer and a sprayer on the bottom of the machine. Direct connection to the hydraulic unit is made through a quick-coupling self-adjusting system. It is suitable for positioning baby bottle baskets or for supports and various baskets. Made in stainless steel.



CONTAINER BIBERON

Container for 18 baby bottles with lids. Positioning on a standard CS3 load carrier. Space needed: half a rack for each level. Made in stainless steel.

CB18

for 250 ml baby bottles
Dimensions l x p x h 210 x 425 x 195 mm

CB18/120

for 120 ml baby bottles
Dimensions l x p x h 210 x 425 x 125 mm

CB18/100

for 100 ml baby bottles
Dimensions l x p x h 210 x 425 x 115 mm



CPS20

CONTAINER FOR 20 PACIFIERS

Metal-netted container with lid. Positioned on a standard CS3 load carrier. Two baskets can be overlapped to increase the surgical instrument load capacity. Made in stainless steel.

Space needed: half a rack for each level.
Dimensions: 430 x 190 x 60 mm (l x D x H). Mesh 5 x 5 mm.

ACCESSORIES

SURGICAL INSTRUMENT INSERTS

COMPATIBLE
WD1160
WD4060
WD4190
WD5090T



CSK1

1-LEVEL SURGICAL INSTRUMENT INSERTS

Suitable for large-sized surgical instruments (ex. abdominal retractors, self-retaining retractors, lateral valves, etc.).

Dimensions: L x D x H 450 x 450 x 55mm, mesh 5 x 5mm
Space needed: entire washer level



KITMIC10

CANNULATED INSTRUMENT INSERTS

Suitable for medium-sized minimally invasive surgery instruments.
Suitable for CSK4BMIC only.

Dimensions: L x D x H 480 x 245 x 50mm, mesh 5 x 5mm
Space needed: half of a washer level



CSK2

HALF-LEVEL SURGICAL INSTRUMENT INSERTS

Suitable for medium-sized surgical instruments (ex. clamps, haemostatic forceps, scissors, suture instruments, etc.).

Dimensions: L x D x H 450 x 225 x 50mm, mesh 5 x 5mm
Space needed: half of a washer level



CSK1/3

1/3-LEVEL SURGICAL INSTRUMENT INSERTS

Suitable for medium-sized surgical instruments (ex. clamps, haemostatic forceps, scissors, suture instruments, etc.).

Dimensions: L x D x H 435 x 160 x 50mm, mesh 5 x 5mm
Space needed: one third of a washer level



CSKDIN

HALF-LEVEL SURGICAL INSTRUMENT INSERTS

Suitable for medium-sized surgical instruments (ex. clamps, haemostatic forceps, scissors, suture instruments, etc.).

Dimensions: L x D x H 480 x 245 x 50mm, mesh 5 x 5mm
Space needed: half of a washer level



CSK1/6

1/6-LEVEL SURGICAL INSTRUMENT INSERTS

Suitable for various small-sized surgical instruments (ex. scalpels, surgical scissors, small forceps, etc.).

Dimensions: L x D x H 130 x 225 x 50mm
Mesh: cover 5 x 5mm, basket 3 x 3 mm
Space needed: one sixth of a washer level

ACCESSORIES

SURGICAL INSTRUMENT INSERTS

COMPATIBLE
WD1160
WD4060
WD4190
WD5090T



D-SV

VERTICAL INSERT

Suitable for holding various surgical instruments in the vertical position (ex. Forceps, probes, swab holders, spatulas, osteotomies, chisels, etc.).
Divided into multiple compartments and a central inclined tub for washing water drainage.



D-CM1

Suitable for holding various surgical instruments
Mesh Insert: 3x3 mm
Made of stainless steel.
Dimensions: lxdxh 300x155x115 mm.



CSMICRO1

TINY SURGICAL INSTRUMENT INSERT

Surgical instrument basket with handles and lid.
Dimensions: L x D x H 240 x 235 x 55 mm, mesh insert 3 x 3 mm
Space needed: 1/4 of a washer level
Suitable for various tiny instruments or very small instruments in general.



CSMICRO2

TINY SURGICAL INSTRUMENT INSERT

Surgical instrument basket with handles and lid.
Dimensions: L x D x H 100 x 80 x 45 mm, mesh insert in micro-stretched netting.
Suitable for very small instruments in general.



CSMICRO3

TINY SURGICAL INSTRUMENT INSERT

Dimensions: L x D x H 280x168x45 mm, basket mesh in micro-stretched netting.



BFS

SUPPORT SPECULUM

Support for vertical positioning of speculum. Made in stainless steel.
Space needed: 1/4 washer level Suitable housing 6 speculum both single and dual



SA3

HOLDS 4 KIDNEY BOWLS

Space needed: half washer level of a CS3 load ca



SCVO

ASPIRATION TUBE SUPPORT AND COLD LIGHT CABLES

Suitable for the positioning of suction hoses and cold light cables.

Capacity: up to 2 cables / tubes

Space needed: 1/4 of a washing basket CS2

To achieve high quality wash standards, it is recommended to use properly treated water. To ensure maximum performance in the pre-washing, washing and neutralizing stages, always use softened water. All under counter models have an efficient integrated water softener that can reduce the hardness of the water supply, eliminating the formation of whitish spots inside the chamber and on the treated instruments.



WP3010

RESIN COLUMN WATER PURIFIER

The WP3010 water purifier is used to produce deionised water at 0.8-1 $\mu\text{S}/\text{cm}$, suitable for the final rinsing of instrument washers. The system uses mixed bed resins (disposable) which can also retain silica.

When the resins run out, they can simply be replaced with the MI700WP kit.

The resin cartridge is made out of stainless steel, as is the entire machine. Net capacity of cartridge: 15 litres. Dimensions: l x d x h = 300x600x850 mm.



MI700WP

Anion/cation mixed bed resins kit for the WP3000 water purifier. Total exchange capacity 42700 litres/ $^{\circ}\text{F}$ * end of cycle at 5 $\mu\text{S}/\text{cm}$ (*Hardness in French degrees). Supplied with used resin disposal bag.

| | WS11EB | WS14EB | WS17EB |
|---|-------------------------|-------------------------|-------------------------|
| MAXIMUM FLOW RATE | 1800 l/h (43 l/min) | 2000 l/h (43 l/min) | 2200 l/h (43 l/min) |
| NOMINAL FLOW RATE | 1500 l/h (43 l/min) | 1600 l/h (43 l/min) | 1800 l/h (43 l/min) |
| RESIN CAPACITY IN LITRES | 11 | 14 | 17 |
| EXCHANGE CAPACITY (m3/ $^{\circ}\text{F}$) | 66 | 84 | 102 |
| CYCLE CAPACITY AT 40 $^{\circ}\text{F}$ | 1650 | 2250 | 2700 |
| PROGRAMMABLE RESIDUAL HARDNESS | 0-10 $^{\circ}\text{F}$ | 0-10 $^{\circ}\text{F}$ | 0-10 $^{\circ}\text{F}$ |
| REGENERATING AGENT TYPE | NaCl SALT | NaCl SALT | NaCl SALT |
| REGENERATING AGENT CONSUMPTION | 1.0 kg/cycle | 1.2 kg/cycle | 1.8 kg/cycle |
| DIMENSIONS ØxH (mm) | 300 x 470 x 660 | 300 x 470 x 815 | 300 x 470 x 1070 |
| SALT TANK DIMENSIONS L x P x H (mm) | integrated | integrated | integrated |
| CAPACITY LITRES (SALT) | about 20 | about 30 | about 40 |
| CONNECTIONS | 1" | 1" | 1" |

WS14E

WATER TREATMENT SYSTEMS

The WS series of appliances are technological water softeners capable of completely eliminating lime scale from water. The resins are regenerated using normal sodium chloride. Available in versions with flow rates of up to 2200 litres/hour, the models are fitted with an electronically controlled head which can be programmed depending on the hardness of the water. They provide backflow regeneration based on the volume of water (bearing in mind the resin saturation rate) and proportional brine in order to optimise water and salt consumption.



The use of specific detergents is essential to obtain accurate instrument washing. Smeg has a full range which are specially designed for instrumentation. Alkaline and enzymatic detergents should be used in the washing phase as well as neutralizing acids in the neutralization phase. Smeg also recommends a disinfectant dedicated to the treatment of thermoplastic instrumentation and anaesthesia tools to help the thermo-chemical process.

ACID

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ph 2,4

LIQUID ACID NEUTRALISERS

ACIDGLASS C2

Weak organic acid neutralizer, phosphates free. Recommended for restoring the pH value in the tank after washing with a specific alkaline washer disinfectant detergent. 5 litres container

SANITISER

ECOSEPT

Liquid disinfection additive based on phenoxyethanol. Ideal for use when washing operating room shoes in the washer disinfectant. 5 litres container

ph 5,5

ALKALINE DETERGENTS

DETERLIQUID C2

Universal liquid alkaline detergent. Recommended for various types of dirt, especially blood, organic and bone residues. 5 litres container, phosphate-free.

ph 13,1

BASIC

MACHINE TECHNICAL FEATURES

| | WD2145 | WD1160 | WD4060 | WD4190 |
|------------------------------------|--|--|--|--|
| INTERNAL DIMENSIONS (LWXH MM) | 370x480x620 | 530x510x620 | 530x510x620 | 530x510x620 |
| EXTERNAL DIMENSIONS (LXPXH MM) | 450x620x850 (830 with built-in top) | 600x600x850 (830 with built-in top) | 600x600x850 (830 with built-in top) | 900x600x850 (830 with built-in top) |
| TOTAL PROGRAMS | 15 | 15 | 15 | 15 |
| PRESET PROGRAMS | 9 | 9 | 9 | 9 |
| CUSTOM PROGRAMS | 6 | 6 | 6 | 6 |
| DETERGENT DOSING SYSTEM | peristaltic pump | peristaltic pump | peristaltic pump | peristaltic pump |
| NEUTRALISING DOSAGE SYSTEM | peristaltic pump | peristaltic pump | peristaltic pump | peristaltic pump |
| MAX NR. PERISTALTIC PUMPS | 2 | 3 | 3 | 3 |
| VOLUMETRIC DETERGENT CONTROL | n.a. | si | si | si |
| VOLUMETRIC DETERGENT CONTROL | n.a. | n.a. | n.a. | si |
| DISPLAY | with segments and warning light | | | |
| CONTROL PANEL | membrane keyboard | | | |
| PRINTER | optional - external | optional - external | optional - external | external or integrated |
| BOILER | n.a. | n.a. | n.a. | n.a. |
| DRYING SYSTEM | thermodynamic | thermodynamic | forced hot air through "drying system" | forced hot air through "drying system" |
| PRE-FILTER CLASS C | n.a. | n.a. | si | si |
| FILTRO HEPA CLASSE WITH 99.999% | n.a. | n.a. | si | si |
| COLD WATER SUPPLY | yes | yes | yes | yes |
| HOT WATER SUPPLY | no | no | no | no |
| DEMINERALIZED WATER SUPPLY | yes | yes | yes | yes |
| INTEGRATED SOFTENER | yes | yes | yes | yes |
| WASHING PUMP | 200l/min | 400l/min | 400l/min | 400l/min |
| CONDUCTIVITY CONTROL POSSIBILITY | n.a. | n.a. | n.a. | n.a. |
| DOOR INTERLOCK | yes | yes | yes | yes |
| NET WEIGHT (KG) | 61 | 74 | 77 | 83 |
| CONFORMITY | see declaration of conformity | | | |
| POWER SUPPLY/TOTAL POWER INSTALLED | 1/N/PE/230V~/50Hz / 3,3kW | 3/N/PE/400V~/50Hz / 7,0kW as an alternative: 1/N/PE/230V~/50Hz / 2,8kW | 3/N/PE/400V~/50Hz / 7,0kW as an alternative: 1/N/PE/230V~/50Hz / 2,8kW | 3/N/PE/400V~/50Hz / 7,0kW as an alternative: 1/N/PE/230V~/50Hz / 2,8kW |
| POSSIBILITY OF 60HZ SUPPLY | yes | yes | yes | yes |
| EQUIPPED WITH PLUG | yes | no | no | no |

| | WD5090T | WD6010 | WD7010 | WD7015 |
|------------------------------------|--|--|---------------------------------------|--|
| INTERNAL DIMENSIONS (LWXH MM) | 530x510x620 | 550 x 620 x 685 | 550 x 620 x 685 | 626 x 812 x 685 |
| EXTERNAL DIMENSIONS (LXPXH MM) | 900x640x850 (830 with built-in top) | 650 x 720 x 1950 | 780 x 800 x 1950 | 900 x 1000 x 1950 |
| TOTAL PROGRAMS | 30 | 40 | 40 | 40 |
| PRESET PROGRAMS | 20 | 20 | 20 | 20 |
| CUSTOM PROGRAMS | 10 | 20 | 20 | 20 |
| DETERGENT DOSING SYSTEM | peristaltic pump | peristaltic pump | peristaltic pump | peristaltic pump |
| NEUTRALISING DOSAGE SYSTEM | peristaltic pump | peristaltic pump | peristaltic pump | peristaltic pump |
| MAX NR. PERISTALTIC PUMPS | 5 | 4 | 4 | 5 |
| VOLUMETRIC DETERGENT CONTROL | optional | yes | yes | yes |
| VOLUMETRIC DETERGENT CONTROL | yes | yes | yes | yes |
| DISPLAY | backlit graphic LCD display 128x64 pixel | TFT colored | TFT colored | TFT colored |
| CONTROL PANEL | membrane keyboard | touch | touch | touch |
| PRINTER | external or integrated | optional | optional | optional |
| BOILER | optional | optional - available a specific model | optional - available a specific model | optional - available a specific model |
| DRYING SYSTEM | forced hot air through "drying system" | Forced hot air | Forced hot air | 2 motors for hot air through "drying system" |
| PRE-FILTER CLASS C | yes | yes | yes | yes |
| FILTRO HEPA CLASSE WITH 99.999% | yes | yes | yes | yes |
| COLD WATER SUPPLY | yes | yes | yes | yes |
| HOT WATER SUPPLY | yes | yes | yes | yes |
| DEMINERALIZED WATER SUPPLY | yes | yes | yes | yes |
| INTEGRATED SOFTENER | yes | no | no | no |
| WASHING PUMP | 400l/min | 600l/min | 600l/min | 1.200l/min |
| CONDUCTIVITY CONTROL POSSIBILITY | optional | optional | optional | optional |
| DOOR INTERLOCK | yes | yes | yes | yes |
| NET WEIGHT (KG) | 83 | 280 | 300 | 400 |
| CONFORMITY | see declaration of conformity | | | |
| POWER SUPPLY/TOTAL POWER INSTALLED | 1/N/PE/230V- 50Hz- 2,8kW as an alternative: 400V 3N~ / 50Hz / 400V 3N~ / 50Hz / 400V 3N~ / 50Hz / 3/N/PE/400V- 50Hz- 7,0kW | 1/N/PE/230V 3N~ / 50Hz / 400V 3N~ / 50Hz / 400V 3N~ / 50Hz / 20 kW | 13 kW | 13 kW |
| POSSIBILITY OF 60HZ SUPPLY | yes | yes | yes | yes |
| EQUIPPED WITH PLUG | no | no | no | no |



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