

JW Hospital Equipment



SCRUB STATION
MULTIPURPOSE

MULTIPURPOSE

AUTOMATIC SCRUB STATION

CHS-MATIC 1, 2, 3



CHS-MATIC 2
Mirror(OPTION)



CHS-MATIC 3



CHS-MATIC 1

CHS-MATIC Series are complete equipment with a special micro-filtering system, heating system for hot water and ultra-violet sterilizer. An ideal Scrub-Station which can be operated either manually or automatically.

AUTOMATIC FUNCTION OF CHS-MATIC SERIES ORIGINATES FROM THE FOLLOWING DATA CONTROL PANEL TO WHICH AN I.C ELECTRONIC CIRCUIT IS ATTACHED ENERGIZED AUTOMATICALLY ALL THE FUNCTIONINGS OF SCRUB-STATION.

RESULT OF TEST PERFORMANCE SHOWS THAT THE STERILIZATION CAPABILITY IS AN AVERAGE 99.6%.

Scrub-Station's sterilization performance test by the use of ultraviolet sterilization method.

Scope of Application

1. Operating theater for general surgeries.
2. OB/GY theater/Delivery rooms(bathing infants)
3. Operating theater for orthopedic surgeries.
4. Operating theater for neuro-surgeries.
5. Operating theater for ENT surgeries.
6. Other places in need of sterilized water.

Features

1. All automatic deluxe scrub station.
2. Sterilized water (99.6%) supply - two U.V. water sterilizing lamps.
3. Hot water supply for four seasons.
4. Thorough filtering - prefilter and main filter.
5. Easy operation by knee - water and soap.
6. Water pressure control device.
7. Safe-dual temperature sensors for safety.
8. Rust-proof materials-all stainless steel (SUS304) and copper tubes.
9. Charming design.

Basic Operations and Function

1. Heating
 - a. Hot water supply in winter.
 - b. Fast warming by one heater. (2KW)
 - c. Two safety thermo-switches to control the in-creasing pressure of the warming tank.
 - d. Constant water temperature by safety thermo-switches.
2. Sterilization
 - a. The water can be sterilized to 99.6% (0.6T/H) by U.V. water sterilizing lamps.
 - b. The U.V. lamps are made of dual quart tubes for electrical safety.
 - c. Lamp use time can be read as life-timer is attached.
3. Filtering
 - a. Filtering to 10 μ m by pre-filter.
 - b. Filtering to 5 μ m by main-filter.
 - c. Thorough filtering by dual-filters.
 - d. Easy filter replacement.

1. method

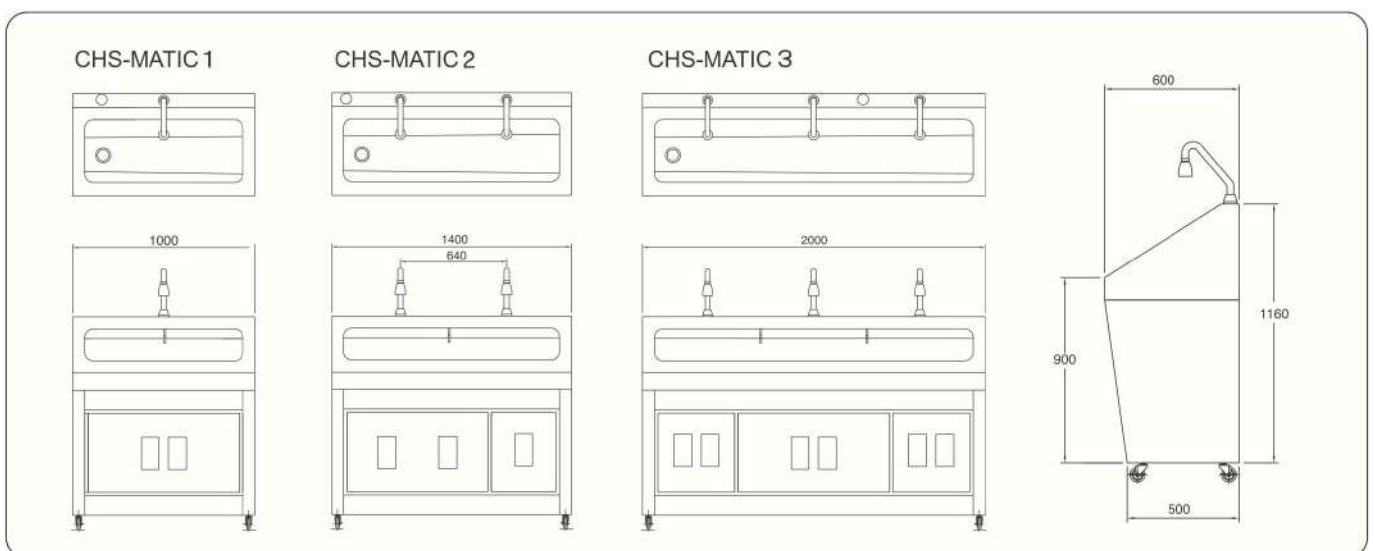
| Germes Used for Tests | E.Coil, P.Aeruginasa, B.Subtilis. |
|-----------------------|--------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| Test Method | Numbers of germes are measured after diluted them into the refined water, while each germ of testing are collected more than 3 times from BHI Agarmodium under the state of 37°C and 2.4 Hrs. |
| | Samples of each germ passed through S.S. unit in the amount of 5 liter/mm and 10 liter/mm are collected into the sterilized vessel of each and conducted testing in accordance with the rule of membrane filtering method as prescribed in the Korean Medicine General Testing Procedures. |

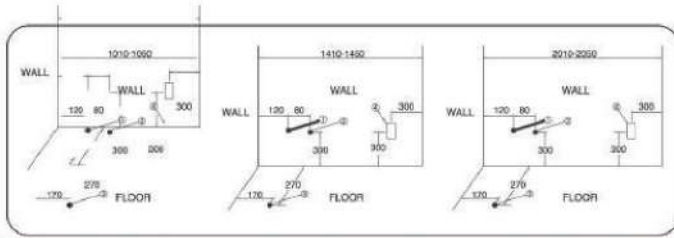
2. Results

| Germes, tested | Numbers of Germes before Passing thru S.S. | Numbers of Germes after Passed thru S.S. | Percentage of sterilized(%) | Residuals |
|----------------|--------------------------------------------|------------------------------------------|-----------------------------|-----------|
| E.Coli | $3.75 \times 10^5/m\ell$ | $5/m\ell$ | 99.99 | none |
| P.Aeruginasa | $3.75 \times 10^5/m\ell$ | $0.4/m\ell$ | 100 | none |
| B.Subtilis | $1.25 \times 10^4/m\ell$ | $1.5 \times 10/m\ell$ | 98.8 | none |

3. Findings:
- Average Sterilization Rate: 99.6%
 - Superior in sterilization performance ability

DIMENSIONS



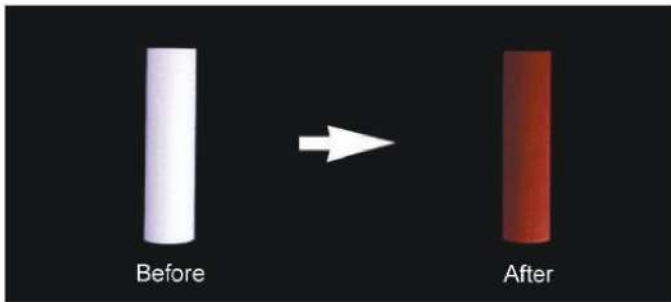


| No. | Part's Name | Size | Q'ty | Remarks |
|-----|-------------|----------|------|------------|
| 1 | Supply Pipe | 15A | 1 | Hot Water |
| 2 | Supply Pipe | 15A | 1 | Cold Water |
| 3 | Drain Pipe | 65A | 1 | |
| 4 | Consent | 110/220V | 1 | 2.5Kw |

MATTERS TO BE NOTED

1. Please attach valve to supply pipe.
2. Capacity of breaker switch which is applied to the main switch is 30A
3. According to devices, for 3 persons - use, 2,000mm
2 persons - use, 1,400mm
1 persons - use, 1,000mm
4. Power source outlet of both for 3 - persons use,
2 - person's and 1 - person's use are same.

FILTRATION



SPECIFICATION

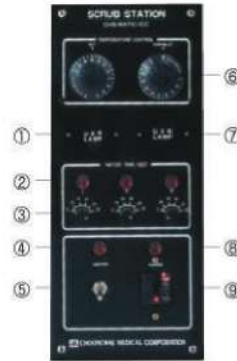
| Division | Model | CHS-MATIC 1 | CHS-MATIC 2 | CHS-MATIC 3 |
|--------------------------------|--------------------|-----------------------------------------------------|---------------------|---------------------|
| Size(W x L x H) | mm | 600 x 1,000 x 1,160 | 600 x 1,400 x 1,160 | 600 x 2,000 x 1,160 |
| Soap Pump | ea | 1(12V-18W) | 2(12V-18W) | 2(12V-18W) |
| Treatment | | Germs removal by filtration | | |
| Heater | ea | 2Kw x 1ea | | |
| Water | °C | 0~60 | | |
| Filter | ea | Pre-Filter 1, Main Filter 1 | | |
| Sterilizer | ea | Ultra Violet Ray Flow-Sterilizing System(15W x 2ea) | | |
| Caster | ea | 50 mm rotary wheel x 4 ea with friction brake | | |
| Water Supply | kg/cm ² | Min. 0.8-Max.5.0 | | |
| Power Source | V | AC220V, 50/60Hz | | |
| Power Consumption | Kw | 2.5 | | |
| Tank Capacity | ℓ | Approx. 30 | | |
| Operating temperature/humidity | °C/% | 10-40 / 0-95 | | |

OPTIONAL ACCESSORIES
Mirror: 1 set
Water pump: 1 ea

CONTROL PANEL FOR AUTOMATIC FUNCTIONS

PART'S NAME

- ① U.V.R. Lamp operation indicator
- ② Water timing lamp
- ③ Water time switch
- ④ Heater Lamp
- ⑤ Heater on/off switch
- ⑥ Temperature control switch
- ⑦ U.V.R. Lamp operation indicator
- ⑧ Power lamp
- ⑨ Power switch



BRUSH DISPENSER CHS-BRS-D

SPECIFICATIONS

Overall Size: W50mm x L120mm x H485mm
Capacity: Brush 10ea, wall type
Material: 1.0t stainless steel plate

OPTIONAL ACCESSORIES

Hand Scrub Brush



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The specifications are subject to change without prior notice for improvement