

STERILIZATION DEVICES

- I. Central Sterilization Units
- Adela -OT Series
- II. Prismatic Steam Sterilizer
- III. Laboratory Type Vertical And Horizontal Steam Sterilizer
- SM Series
- IV. Prismatic Steam Sterilizer
- V. Washer and Steam Sterilizer
- VI. Laboratory Type Vertical Steam Sterilizer























About us

Sümer A.Ş. was established in 1981 in Ankara to proved services in the medical device sector. It has aimed advancement since the day of its establishment by also taking growth and compliance with the contemporary technologies and protecting the environmental conditions. Our manufacturing takes place in an area of 25.000 m² in Ankara Organized Industrial Zone.

Our Firm is following the innovations in its sector and in abroad through its research and development unit and its application staff with a strong infrastructure of engineers, and is continuing to produce devices it had developed in computer environment based on such innovations with high technology and to contribute their development so as to be most beneficial for the Turkish medicine.

With this purpose, our Firm is strictly following the "Quality Management" principles and rules from design of the products to the after sale servicing.

Our Firm has been currently certificated for compliance with ISO 9001 quality management system, ISO 13485 medical device quality management system certificate and ISO 14001 environment management system certificate and with product certificates under MDD 93/42/EEC Medical Devices Directive and PED 2014/68/EU Pressurized Equipment certificate. Furthermore, our steam sterilizers, and disinfection and washing devices have been certificated by the German accredited body.

Our Firm is successfully implementing several projects supported by Tübitak, KOSGEB, and Ankara Development Agency. SÜMER A.Ş. has been awarded with the following:
Ankara Industry Chamber Award for 2012,
2011 R&D Award,
2012 Success Award.

Our Firm possesses the following certificates; CE Certificates under the following directives: ISO 9001, ISO 13485, ISO 14001 Quality Management System, MDD 93/42/EEC Medical Devices, PED 2014/68/EU Pressurized Equipment

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Our Vision

To make the Sümer brand a global brand to make our Firm remembered first in the sector.

Our Mission

Our main task is to create designs with competition power in the global sense by taking the priorities of the sector into consideration and being respectful to the environment and people and giving the first priority to the wishes and expectations of customers, and also to produce innovative technological medical products by meeting all the national and international legal requirements.

Our Basic Values

- We are bound up with the Medical Ethical Rules,
- We are people-oriented,
- We respect environment,
- We are creative,
- We are customer-oriented,
- We are innovative,
- We are pro-active,
- We believe in the team spirit.

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I. Central Sterilization Units

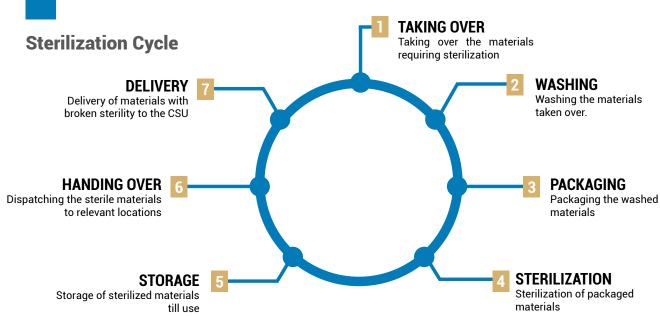
Our Firm implements turn-key sterilization projects designed by taking the hospital sizes into consideration, and gives services for the installation and commissioning of turn-key Central Sterilization Units.

"It is essential for Central Sterilization Units (CSU) to eliminate the microorganisms existing in hospitals."

Sümer A.Ş. offers the following turn-key services for you, our valuable customers, in relation with the Central Stelization Units;

- Design,
- Central construction,
- Installation of products,
- Commissioning,
- Control and similar.





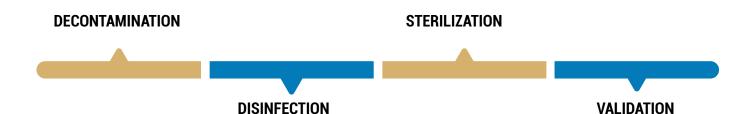


Central Sterilization Units are indispensible dynamic centers with great responsibility in ensuring the sterilization safety and prevention of infections, collecting the contaminated materials from various locations in the hospital to process and redelivering them to users and providing continuous services throughout 24 hours during 365 days of the year.

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Sterilization Process



Sterilization must not be taken as a simple procedure; it must be considered as providing new materials suitable for medical purposes, or a process of novel production.

ADELA-OT series

II. Prismatic Steam Sterilizer

ADELA-OT series steam sterilizers are designed and manufactured regarding the manufacturing and product standards.



General Characteristics

Control System PLC CPU

Fully Automatic / Button Command Operation Mod Screen Type Multi-Color TFT, LCD Touch Screen

Screen Size 7,0" (10,0" optional) Keypad Touch Screen

40 Character /Line, Thermal Printer Remote Control and Communication RS 232 Port / USB , Ethernet (optional)

Visual & Audio & Printed Warning Sytem Up to 200 Cycles Data Storage

Touch Screen, Anaolgue Gauges for Chamber, Monitoring

Jacket, Generator and Air Pressure (Manometer)

4 Easy positioning on 4 swivel castors and firm fixing on legs Mobility

Steam Generator with pneumatic valves





Standard Programs

| Medical & Surgical Instruments | 134°C | ~ 60 dk |
|--------------------------------|-------|---------|
| Textile Materials | 134°C | ~ 60 dk |
| Rubber Articles | 121°C | ~ 80 dk |
| Liquids in Glass Container | 121°C | ~ 60 dk |
| Liquids in Glass Container | 125°C | ~ 60 dk |
| Flash | 134°C | ~ 20 dk |
| Prion | 134°C | ~ 90 dk |
| Bowie & Dick Test | 134°C | ~ 45 dk |
| Vacuum Leak Test | - | ~ 25 dk |
| Customizable Program Capacity | - | 99 |

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Safety and Quality

Protects operator from electrical current leaks.

Short circuit protection.

Safety valve.

Hepa filter for air filtration.

Water level control via buoy in generator.

Pneumatic Valves for precise exhausting.

Leak test.

Password protection.

Sensors against obstructions on the doors pathway.

Doors locks under pressure.

Emergency stop button.

Unable to open both doors at once double door models.



| Medical Device Directive | MDD 93/42/EEC / 2007/47/EC |
|---|--|
| Medical Device Class | Class IIb, MDD 93/42/EEC, 2007/47/ EC (Annex IX) |
| Low Voltage Directive | 2014/35/EU - EN 61010-2-040 - EN 61010-1 - EN 60601-1 |
| EMC Directive | 2014/30/EU EN 60601-1-2 - EN 61326-1 |
| Pressure Equipments Directive | PED 2014/68/EU : EN 13445-1, -2, -3, -4, -5 |
| Steam Sterilizer Directive | EN285 |
| Quality Mangement System | ISO 9001 |
| Medical Devices Quality Mangement System | ISO 13485 |
| Enviromental Management Systems | ISO 14001 |

Relevant Directives and Standards

®"Type tests" of Sümer A.S. Steam sterilizers are performed and certified according to the directives of EN 285 and TS EN 17665-1-2 by The German accreditation company HYGCEN GmbH.

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Technical Data Sheet

| | CHAMBER VOLUME (LITER) AND DIMENSIONS | | | | | | | | | | | | |
|-----------------|---------------------------------------|-------------|-------|-------|-------|-------|-------------|-------|-------|-------|-------|-------|-------|
| MODELS | | SINGLE DOOR | | | | | DOUBLE DOOR | | | | | | |
| MODELS | 100 L | 175 L | 250 L | 325 L | 425 L | 580 L | 100 L | 250 L | 325 L | 425 L | 580 L | 718 L | 900 L |
| Height (mm) | 390 | 500 | 500 | 500 | 670 | 670 | 390 | 500 | 500 | 670 | 670 | 670 | 670 |
| Width (mm) | 390 | 500 | 500 | 500 | 670 | 670 | 390 | 500 | 500 | 670 | 670 | 670 | 670 |
| Depth (mm) | 700 | 700 | 1000 | 1300 | 1000 | 1300 | 1000 | 1000 | 1300 | 1000 | 1300 | 1600 | 2000 |
| STU Capacity | 1 | 1,5 | 1,5 | 2 | 6 | 8 | 1,5 | 1,5 | 2 | 6 | 8 | 10 | 12 |

| | DEVICE DIMENSION | | | | | | | | | | | | |
|-------------|------------------|-------------|-------|-------|-------|-------|-------------|-------|-------|-------|-------|-------|-------|
| MODELS | | SINGLE DOOR | | | | | DOUBLE DOOR | | | | | | |
| MODELS | 100 L | 175 L | 250 L | 325 L | 425 L | 580 L | 100 L | 250 L | 325 L | 425 L | 580 L | 718 L | 900 L |
| Height (mm) | 1655 | 1765 | 1765 | 1765 | 1935 | 1935 | 1655 | 1765 | 1765 | 1935 | 1935 | 1935 | 1935 |
| Width (mm) | 885 | 995 | 995 | 995 | 1165 | 1165 | 885 | 995 | 995 | 1165 | 1165 | 1165 | 1165 |
| Depth (mm) | 1125 | 1250 | 1325 | 1625 | 1325 | 1625 | 1325 | 1325 | 1625 | 1325 | 1625 | 1925 | 2325 |

| | PACKING DIMENSION | | | | | | | | | | | | | |
|-------------|-------------------|-------------|-------|-------|-------|-------|-------------|-------|-------|-------|-------|-------|-------|--|
| MODELS | | SINGLE DOOR | | | | | DOUBLE DOOR | | | | | | | |
| MODELS | 100 L | 175 L | 250 L | 325 L | 425 L | 580 L | 100 L | 250 L | 325 L | 425 L | 580 L | 718 L | 900 L | |
| Height (mm) | 1920 | 2030 | 2030 | 2030 | 2200 | 2200 | 1920 | 2030 | 2200 | 2200 | 2200 | 2200 | 2200 | |
| Width (mm) | 1070 | 1180 | 1180 | 1180 | 1350 | 1350 | 1070 | 1180 | 1180 | 1350 | 1350 | 1350 | 1350 | |
| Depth (mm) | 1280 | 1380 | 1580 | 1880 | 1580 | 1880 | 1580 | 1580 | 1880 | 1580 | 1880 | 2175 | 2575 | |

| | DEVICE WEIGHT | | | | | | | | | | | | |
|-------------|---------------|-------|--------|-------|-------|-------|-------|-------|-------|----------|-------|-------|-------|
| MODELS | | | SINGLE | DOOR | | | | | D | DUBLE DO | OR | | |
| MODELS | 100 L | 175 L | 250 L | 325 L | 425 L | 580 L | 100 L | 250 L | 325 L | 425 L | 580 L | 718 L | 900 L |
| Weight (Kg) | 500 | 650 | 670 | 770 | 850 | 1000 | 700 | 800 | 900 | 1050 | 1200 | 1450 | 1680 |

| | GENERATOR DIMENSION | | | | | | | | | | | | |
|---|---------------------|-------|--------|--------|-------|-------|-------|-------|-------|----------|-------|-------|-------|
| MODELS | | | SINGLE | E DOOR | | | | | D | OUBLE DO | OR | | |
| MODELS | 100 L | 175 L | 250 L | 325 L | 425 L | 580 L | 100 L | 250 L | 325 L | 425 L | 580 L | 718 L | 900 L |
| Generator Power (3 Phase/400± 10VAC) | 20 | 20 | 30 | 30 | 40 | 40 | 20 | 30 | 30 | 40 | 40 | 60 | 60 |
| Installation Power (kW) | 25 | 25 | 35 | 35 | 45 | 45 | 25 | 35 | 35 | 45 | 45 | 65 | 65 |
| Generator Volume(L) | 25 | 25 | 50 | 50 | 75 | 75 | 25 | 50 | 50 | 75 | 75 | 100 | 100 |

| | TRANSPORT TROLLEY DIMENSION | | | | | | | | | | | | |
|-------------|-----------------------------|-------------|-------|-------|-------|-------|-------------|-------|-------|-------|-------|-------|-------|
| MODELS | | SINGLE DOOR | | | | | DOUBLE DOOR | | | | | | |
| MODELS | 100 L | 175 L | 250 L | 325 L | 425 L | 580 L | 100 L | 250 L | 325 L | 425 L | 580 L | 718 L | 900 L |
| Width (mm) | 480 | 590 | 590 | 590 | 660 | 660 | 480 | 590 | 590 | 660 | 660 | 660 | 660 |
| Height (mm) | 1000 | 1000 | 1100 | 1100 | 1100 | 1100 | 1000 | 1100 | 1100 | 1100 | 1100 | 1100 | 1100 |
| Depth (mm) | 880 | 1180 | 1180 | 1480 | 1180 | 1480 | 1180 | 1180 | 1480 | 1180 | 1480 | 1780 | 1780 |

| | LOADING CART DIMENSION | | | | | | | | | | | | |
|-------------|------------------------|-------------|-------|-------|-------|-------|-------------|-------|-------|-------|-------|-------|-------|
| MODELS | | SINGLE DOOR | | | | | DOUBLE DOOR | | | | | | |
| MODELS | 100 L | 175 L | 250 L | 325 L | 425 L | 580 L | 100 L | 250 L | 325 L | 425 L | 580 L | 718 L | 900 L |
| Width (mm) | 380 | 490 | 490 | 490 | 660 | 660 | 380 | 490 | 490 | 660 | 660 | 660 | 660 |
| Height (mm) | 365 | 430 | 430 | 430 | 530 | 530 | 365 | 430 | 430 | 530 | 530 | 530 | 530 |
| Depth (mm) | 660 | 670 | 960 | 1260 | 960 | 1260 | 960 | 960 | 1260 | 960 | 1260 | 1560 | 960 |

Technical Data Sheet



| | TEMPERATURE | | | | | | | |
|-------------------------------|----------------------|--|--|--|--|--|--|--|
| Range 115°C - 137°C (Chamber) | | | | | | | | |
| Measurement | PT 100 (DIN A Class) | | | | | | | |
| Sensor Position | Chamber (1) | | | | | | | |

| | PRESSURE |
|-----------------|---|
| Measurement | Pressure Sensors (4) |
| Sensor Position | Chamber (1), Jacket(1), Generator (1), Gasket(1) |

| | VACUUM |
|------------|--------------------------|
| Source | Pump, Water Ring (2.2kW) |
| Pre-Vacuum | Yes |

| DEV | /ICE CONSTRUCTION |
|----------------------|--|
| Body | AISI 304 Stainless Steel |
| Chamber | 6mm, AISI 316 L Stainless Steel |
| Chamber | 6mm, AISI 316 L Stainless Steel |
| Jacket | 3mm, AISI 316L Stainless Steel |
| Door | 10mm, AISI 304 Stainless Steel |
| Panel Cover | 1-1,5 mm AISI 304 Stainless Steel |
| Pipes | Brass, AISI 304 Stinless Steel |
| Chamber Polishing | Sandblastin, Electropolishing (Optionel) |

| DRAINAGE | | | | | | | | | | | |
|----------|--|--|--|--|--|--|--|--|--|--|--|
| Water | Inclined pipe to be installed onsite with at least 2 m of length (Diameter: 2"-3") | | | | | | | | | | |
| Steam | Pneumatic valve, software controlled | | | | | | | | | | |
| Air | Vacuum Motor (Built-in) | | | | | | | | | | |

INSTALLATION CONDITIONS: At least 60 cm. space is needed on both lateral sides of the device to provide an effective technical service. Exhaust fan or ventilation funnel needs to be placed above the device for an effective evacuation of heat.

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Technical Data Sheet



| | JACKET |
|------------------------|----------|
| Test Pressure | 3,75 Bar |
| Test Temperature | 140 °C |
| Working Temperature | 134 °C |
| Working Pressure | 2,5 Bar |

| GENERATOR | | | | | | | | | |
|---------------------------|---------------------|--|--|--|--|--|--|--|--|
| Test Pressure | 5,25 Bar | | | | | | | | |
| Test Temperature | 150 °C | | | | | | | | |
| Working Temperature | 144 °C | | | | | | | | |
| Working Pressure | 3,5 Bar | | | | | | | | |
| Water Level Protection | *CRES / AISI 304 SS | | | | | | | | |

* CRES: Anti Corrosive Stainless Steel

| ENERGY CONSUMPTION | | | | | | | | | | |
|--------------------|--------------|--|--|--|--|--|--|--|--|--|
| Electric | 20 kW/Loop | | | | | | | | | |
| Water | ~120 Lt/Loop | | | | | | | | | |

III. Laboratory Type Vertical And Horizontal Steam Sterilizer

Adela range provides a single solution for the multiples sterilization needs on laboratories including instruments, hollowware elements, glassware and other laboratory items that need a final drying to avoid contamination.

Load has to be placed into the vessel's baskets and after automatic filling with distilled water, device starts to heat up and purge until set temperature is reached. In case of solid objects, discharge is automatically



Operating Principal

Vertical and table-top range provides a single solution for the multiples sterilization needs on laboratories including instruments, hollowware elements, glassware and other laboratory items that need a final drying to avoid contamination.

Load has to be placed into the vessel's baskets and, after automatic filling with distilled water, device starts to heat up and purge until set temperature is reached. In case of solid objects, discharge is automatically forced during cooling stage to reduce cycle time.

Digital Microprocessor. Digital microprocessor for an easy programming and parameters selection for sterilization process.

Water Filling: Pure water for sterilization can be added manually into the water pan. Automatic filling is also available by connecting the device to pure mains water.

Adela Rotary Sealers with built-in printer are specially designed to meet the demand of high-volume operations in hospitals and medical device industries.

Common sterilization packaging processes require traceability of sealed pouches to ensure patient/ medical device safety and control all time. The built-in printer of Rotary Sealers ensures the end-user that all essentials data needed for traceability can be printed on the back side of the pouch.

Communications and Documentation

RS-232 Port

For live monitoring of sterilization cycle directly to PC. It is needed the customized software SOFT-S7000W.

Integrated Printer

for quality printouts after each cycle. Intervals can be adjustable. Printer has to be requested before ordering.



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Sterilization Process

Pre-vacuum and Filling Stage

Heating Stage

Sterilization Control

 $Integrated\ vacuum\ pump\ for\ initial\ pre-vacuum\ and\ subsequent\ automatic\ water\ filling.$

Fast saturated steam production by means of powerful heating elements.

A PT-100 temperature probe controls the chamber temperature, with the possibility of installing another flexible PT-100 temperature probe for liquid programs.

In solid program, discharge is automatically forced during cooling stage to reduce the cycle time. Then, integrated heating jacket together with pre-vacuum pulses is activated for a fast and intense drying.

All safety standards are covered with safety valve, safety thermostat and safety pressure switch, door opening prevention system in case of overpressure, open door sensor and water level detector. EU Directive and Standards:

Low Voltage

Electromagnetic Compatibility

Pressure Equipment

Cooling and Drying Stage

Security

2014/35/EU 2014/30/EU

2014/68/EU

EN-61010-1 EN-61010-2-040

EN-61326-1



Programs

Microprocessor has 11 programs in total and the details are prescribed below:

| Program | Temperature (°C) | Pressure (bar) | Sterilization Time (min.) | Drying Time (min.) |
|-----------------|------------------|----------------|---------------------------|--------------------|
| General | 134 | 2,1 | 10 | 10 |
| Fast | 134 | 2,1 | 4 | 5 |
| Sensitive | 121 | 1,1 | 20 | 10 |
| Prion | 134 | 2,1 | 20 | 10 |
| Flash | 134 | 2,1 | 4 | 10 |
| Packed 1 | 134 | 2,1 | 5 | 10 |
| Packed 2 | 121 | 1,1 | 5 | 10 |
| Liquid 1 | 134 | 2,1 | 1 <mark>0</mark> | - |
| Waste* | 134 | 2,1 | 20 | 20 |
| Bowie Dick Test | 134 | 2,1 | 3,5 | - |
| Helix Test | 134 | 2,1 | 3,5 | - |

The rest of the programs are user-defined with the following parameters setting:

- · Sterilization temperature
- Sterilization time
- · Drying time
- Heart probe selection



Technical Data

Laboratory Type Horizontal Autoclaves

| MODEL | USEFUL CAPACITY (L) | CELL (ØxH) (mm) | DEVICE (FxAxH) (mm) | TEMP. (°C) | MAX. PRESSUR (bar) | POWER (W) | WEIGHT (Kg) |
|----------|------------------------|--------------------|------------------------|---------------|-----------------------|--------------|----------------|
| ADELA 40 | 40 | Ø400 x 320 | 780 x 665 x 660 | 100 - 134 | 2,1 | 4000 | 105 |
| ADELA 60 | 60 | Ø400 x 525 | 780 x 870 x 660 | 100 - 134 | 2,1 | 4000 | 135 |

Laboratory Type Vertical Autoclaves

| MODEL | USEFUL CAPACITY (L) | CELL (ØxH) (mm) | DEVICE (FxAxH) (mm) | TEMP. (°C) | MAX. PRESSUR (bar) | POWER (W) | WEIGHT (Kg) |
|-----------|------------------------|--------------------|------------------------|---------------|-----------------------|--------------|----------------|
| ADELA 75 | 75 | Ø400 x 600 | 670 x 740 x 1140 | 100 - 134 | 2,1 | 5000 | 75 |
| ADELA 90 | 90 | Ø500 x 700 | 670 x 740 x 1260 | 100 - 134 | 2,1 | 6000 | 80 |
| ADELA 115 | 115 | Ø400 x 910 | 670 x 740 x 1450 | 100 - 134 | 2,1 | 7500 | 175 |









IV. Prismatic Steam Sterilizer

This is produced for the sterilization of surgical and wound dressing tools, plastic and glass materials and bottled fluids by trained, certificated and officially assigned hospital staff.



General Characteristics

Control System PLC processor

Way of use Full automatic / buttons and touch screen

Screen Type Color TFT, Touch LCD Screen Dimensions 7,0" (10,0" Optional) Keypad Touch Screen

Printer 40 Characters / lines, integrated thermal printer RS232 /485 Port - USB (Ethernet Optional) Communication Warning system Warnings with audiovisual and written messages

Data Storage 200 cycles

Analog indicators for the follow-up of Cell, Procedure follow-up/tracing Jacket, Generator and Air pressure in addition

to the Touch Screen

Easy orientation on 4 swivel castors and Motility

stabilization legs adjustable according to

inclination of the floor Vapor control Through pneumatic valves



Standard Programs

| Medical and Surgical Tool (134°C) | ~ 60 min | | | | | |
|-----------------------------------|----------|--|--|--|--|--|
| Textile Materials (134°C) | ~ 60 min | | | | | |
| Heavy Materials (134°C) | ~ 65 min | | | | | |
| Plastic/Rubber Materials (121°C) | ~ 80 min | | | | | |
| Rubber/Glass (125°C) | ~ 60 min | | | | | |
| Fluids (121°C) | ~ 90 min | | | | | |
| Flash (134°C) | ~ 20 min | | | | | |
| Prion (134°C) | ~ 60 min | | | | | |
| Bowie & Dick Test (134°C) | ~ 35 min | | | | | |
| Vacuum Leakage Test | ~ 25 min | | | | | |
| Number of optional programs | 99 | | | | | |
| | | | | | | |

AISI 304 Stainless steel Body Cell 6 mm, AISI 316 L Stainless steel Jacked 3mm. AISI 316 L Stainless steel Cover 6 mm, AISI 304 Stainless steel **Panel Coating** AISI 304 Stainless steel Brass, AISI 304 Stainless steel Piping

The entire piping can be made from AISI 304 stainless steel optionally.

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Chamber Dimensions

| Chamber volume (L) | 125 | 175 | 200 | 225 | 250 | 325 | 425 | 470 | 490 | 538 | 580 | 628 | 670 | 718 | 760 | 800 | 900 | 1000 | 1200 |
|--------------------|-----|-----|-----|-----|------|-----|-----|------|------|------|------|------|------|------|------|-------|------|------|------|
| Height (mm) | 500 | 500 | 500 | 500 | 500 | 670 | 670 | 670 | 670 | 670 | 670 | 670 | 670 | 670 | 670 | 670 | 670 | 670 | 670 |
| Width (mm) | 500 | 500 | 500 | 500 | 500 | 670 | 670 | 670 | 670 | 670 | 670 | 670 | 670 | 670 | 670 | 670 | 670 | 670 | 670 |
| Depth (mm) | 500 | 700 | 800 | 900 | 1000 | 750 | 950 | 1050 | 1100 | 1200 | 1300 | 1400 | 1500 | 1600 | 1700 | 1800 | 2020 | 2250 | 2675 |
| STU Capacity | - | 1 | 1 | 1 | 1 | 2-4 | 6 | 6 | 6 | 6-8 | 8 | 8 | 8-10 | 10 | 10 | 10-12 | 12 | 14 | 16 |

Dimensions – Single Sliding Door Steam Sterilizer

| Chamber volume (L) | 125 | 175 | 200 | 225 | 250 | 325 | 425 | 470 | 490 | 538 | 580 | 628 | 670 | 718 | 760 | 800 | 900 | 1000 | 1200 |
|--------------------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|
| Height (mm) | 1800 | 1800 | 1800 | 1800 | 1800 | 2010 | 2010 | 2010 | 2010 | 2010 | 2010 | 2010 | 2010 | 2010 | 2010 | 2010 | 2010 | 2010 | 2010 |
| Width (mm) | 890 | 890 | 890 | 890 | 890 | 1120 | 1120 | 1120 | 1120 | 1120 | 1120 | 1120 | 1120 | 1120 | 1120 | 1120 | 1120 | 1120 | 1120 |
| Depth (mm) | 1250 | 1300 | 1350 | 1400 | 1500 | 1100 | 1450 | 1550 | 1600 | 1700 | 1800 | 1900 | 2000 | 2100 | 2200 | 2300 | 2500 | 2750 | 2900 |

Dimensions – Double Sliding Door Steam Sterilizer

| Chamber volume (L) | 200 | 225 | 250 | 325 | 425 | 470 | 490 | 538 | 580 | 628 | 670 | 718 | 760 | 800 | 900 | 1000 | 1200 |
|--------------------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|
| Height (mm) | 1800 | 1800 | 1800 | 2010 | 2010 | 2010 | 2010 | 2010 | 2010 | 2010 | 2010 | 2010 | 2010 | 2010 | 2010 | 2010 | 2010 |
| Width (mm) | 940 | 940 | 940 | 1170 | 1170 | 1170 | 1170 | 1170 | 1170 | 1170 | 1170 | 1170 | 1120 | 1120 | 1120 | 1120 | 1120 |
| Depth (mm) | 1150 | 1250 | 1350 | 1100 | 1300 | 1400 | 1450 | 1550 | 1650 | 1750 | 1850 | 1950 | 2050 | 2150 | 2350 | 2600 | 2750 |







| Chamber volume (L) | 125 | 175 | 200 | 225 | 250 | 325 | 425 | 470 | 490 | 538 | 580 | 628 | 670 | 718 | 760 | 800 | 900 | 1000 | 1200 |
|------------------------------|-----|-----|-----|-----|-----|-----|-----|------|------|------|------|------|------|------|------|------|------|------|------|
| Weight of the Device (kg) | 590 | 630 | 670 | 710 | 750 | 800 | 850 | 900 | 945 | 1010 | 1060 | 1120 | 1200 | 1270 | 1330 | 1390 | 1450 | 1510 | 1570 |
| Packaging Weight (kg) | 730 | 750 | 810 | 800 | 850 | 900 | 990 | 1040 | 1060 | 1150 | 1210 | 1290 | 1360 | 1430 | 1520 | 1590 | 1660 | 1700 | 1770 |

Weights - Double Sliding Door

| Chamber volume (L) | 200 | 225 | 250 | 325 | 425 | 470 | 490 | 538 | 580 | 628 | 670 | 718 | 760 | 800 | 900 | 1000 | 1200 |
|------------------------------|-----|-----|-----|-----|------|------|------|------|------|------|------|------|------|------|------|------|------|
| Weight of the Device (kg) | 710 | 760 | 810 | 850 | 900 | 950 | 985 | 1050 | 1110 | 1170 | 1230 | 1310 | 1390 | 1450 | 1510 | 1580 | 1650 |
| Packaging Weight (kg) | 850 | 870 | 940 | 980 | 1070 | 1090 | 1110 | 1190 | 1250 | 1330 | 1400 | 1470 | 1560 | 1630 | 1700 | 1780 | 1900 |

Volume and Power

| Chamb | per volume (L) | 125 | 175 | 200 | 225 | 250 | 325 | 425 | 470 | 490 | 538 | 580 | 628 | 670 | 718 | 760 | 800 | 900 | 1000 | 1200 |
|---|-------------------------|---|-----|-----|-----|-----|-------|---------------------------------|-----|-----|----------|---------------------------------|-----|-----|-------|---------------------------------|-----|-----|------|------|
| Generator Power (3 Phase/400±10 VAC) | | 20 kW 30 kW | | | | | 40 kW | | | | 50 kW | | | | 60 kW | | | | | |
| Install | ed Power | 25 kW, 3 Phase / 400 VAC ±10 35 kW, 3 Phase / 400 VAC ±10 | | | | | | 45 kW, 3 Phase / 400 VAC ±10 | | | | 55 kW, 3 Phase / 400 VAC ±10 | | | | 65 kW, 3 Phase / 400 VAC ±10 | | | | |
| RELATED | Main Supply Vapor | | | | | | | | | 4 | 1-6 Bars | ; | | | | | | | | |
| EQUIPMENT-RELATED CHARACTERISTICS | Generator Volume (L) | 60 | 60 | 60 | 60 | 60 | 60 | 70 | 70 | 70 | 70 | 70 | 75 | 75 | 80 | 80 | 80 | 80 | 100 | 100 |





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V. Washer and Steam Sterilizer



General Characteristics

Control System PLC processor

Way of use Full automatic/ buttons and touch screen

Screen Type Color TFT, Touch LCD

Screen Dimensions 7,0"

Touch Screen Keypad

40 characters/lines, integrated thermal printer Printer Communication RS232/RS485 Port/USB (Ethernet Optional) Warning system Warnings with audiovisual and written messages

200 cycles Data Storage

Analog indicators for the follow-up of Procedure

Cell, Jacket, Generator and Air pressure in follow-up/tracing

addition to the Touch Screen

Easy orientation on 4 swivel castors and stabilization legs adjustable according to inclination of the floor Motility

Vapor control through pneumatic valves

AISI 304 Stainless Steel Body Cell 6 mm, AISI 316 L Stainless Steel Jacket 6 mm, AISI 316 L Stainless Steel 20 mm, AISI 316 Stainless Steel Door AISI 304 Stainless Steel **Panel Coating**

Piping PTFE Hose, AISI 304 Stainless Steel



Dimensions of the Device

| Chamber volume (L) | 96 | 125 | 175 | 250 |
|--------------------|------|------|------|------|
| Height (mm) | 1800 | 1800 | 1800 | 1800 |
| Width (mm) | 870 | 870 | 870 | 870 |
| Depth (mm) | 1030 | 1155 | 1355 | 1755 |

Washing Chamber Dimensions

| Chamber volume | Height | Width | Depth | Number of | STU | For Feeding-bottle |
|----------------|--------|-------|-------|--------------|----------|--------------------|
| (L) | (mm) | (mm) | (mm) | Basket Racks | Capacity | Washing |
| 100 | 565 | 595 | 550 | 3 | 6 | |

Chamber Dimensions

Steam Sterilizer Chamber Dimensions

| Chamber volume (L) | 96 | 125 | 175 | 250 |
|--------------------|-----|-----|-----|------|
| Height (mm) | 500 | 500 | 500 | 500 |
| Width (mm) | 500 | 500 | 500 | 500 |
| Depth (mm) | 385 | 500 | 700 | 1000 |
| STU Capacity | - | - | 1 | 1 |

 STERILIZATION DEVICES www.sumerinc.com



