



CSSD Washer-Disinfectors

High Performance CSSD Washers

The Tiva CSSD Washer-Disinfector provides safe and thorough processing of a wide range of medical products for a CSSD washing disinfection area. It provides superior cleaning and disinfection combined with innovative options to minimize operating costs and save time.



Washer-Disinfector Line

Cleaning and Disinfection

Thermal Disinfection

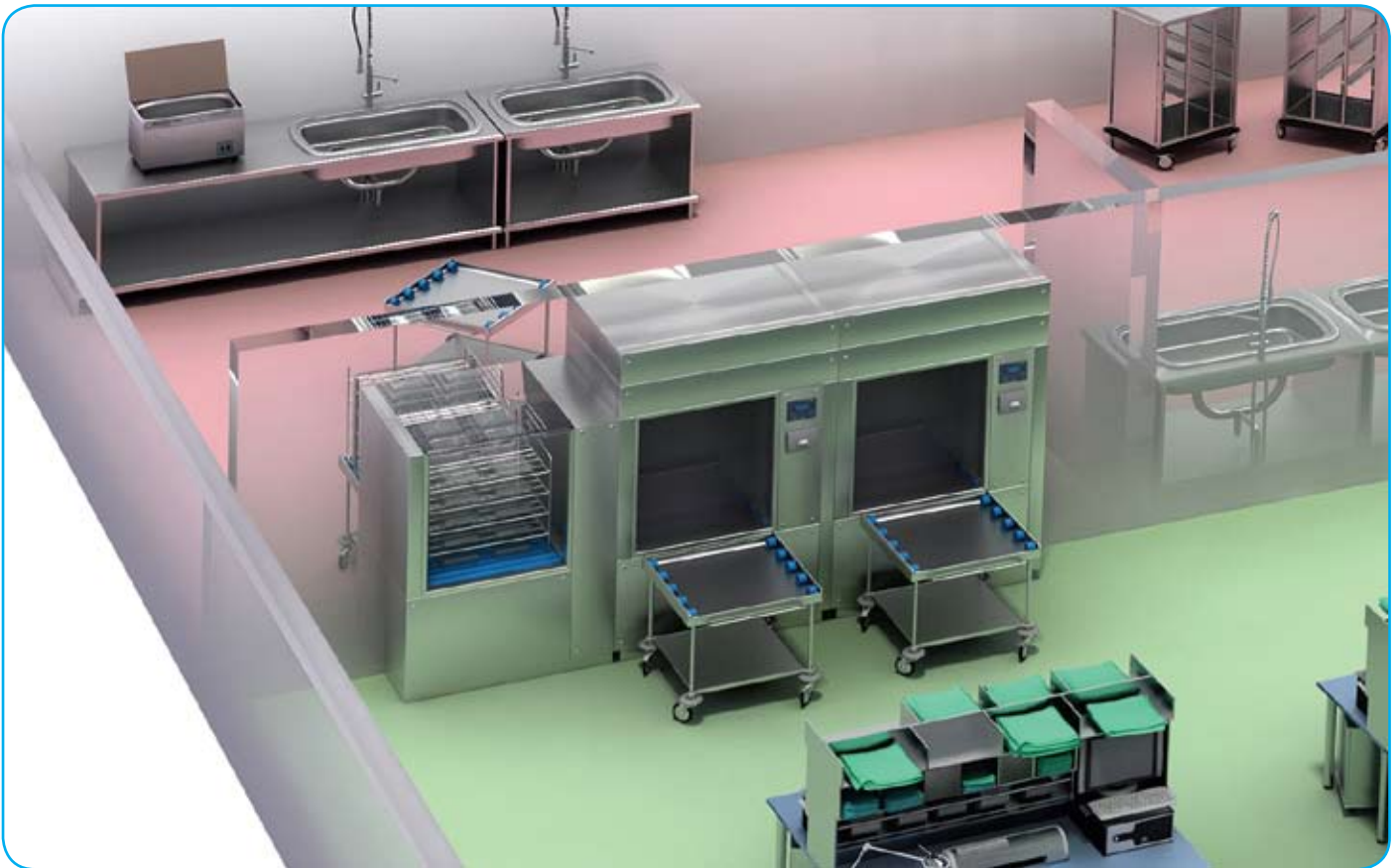
Thermal disinfection takes place at 93°C with a temperature holding time in compliance with EN ISO 15883. Both temperature and time can be modified to meet the specific customer requirements.

Mechanical Cleaning Action

Heavy duty pumps ensure high flow rate and effective spray pressure for better and faster cleaning results.

Designed to Stay Clean

The washing chamber is designed with smooth edges and corners to ensure a clean chamber surface and prevent dirty breeding grounds.



Long Lasting and Safe

Water Quality

Built-in large capacity water softeners enhance cleaning and prevents limescale build-up. Connections to cold, warm and DI water are available, with a triple water filter system that captures residues so that they are not re-circulated, thus lengthening pump life.

Quality Components

Washing chamber, washing arms and filters are made of high quality corrosion proof AISI 316 stainless steel. Double wall chamber construction and thorough insulation minimize heat loss and electricity consumption.



Tiva 750 / Tiva 800

10 DIN Baskets : 350 liter chamber

- Automatic Single/Double Door
- HEPA-filtered forced air drying
- LCD display (optional Touch Screen)
- 40 Programs
- 3 Chemical dosing pumps

The Tiva 750 / Tiva 800 washer-disinfectors feature automatic doors as part of a sophisticated system that meets the processing needs of a CSSD. The two vertically installed washing pumps enable consistent and efficient washing-disinfecting performance and a complete drain of the washing circuit. A HEPA H14 air filter is used for injecting clean air into all the chamber parts at different basket levels and into injectors.





Features

Performance

- Washing disinfection temperature fully adjustable up to 93°C
- Temperature controlled by means of two independent PT1000 probes
- Fresh water intake between each phase of the cycle promotes hygiene and better cleaning
- Three level water filtering system
- Washing and drying injection system enables direct injection into hollow objects ensuring optimal thermal disinfection and drying
- HEPA Filtered H14 forced-air drying system with adjustable time and temperature settings helps to ensure the complete drying inside and outside of items in the washing chamber
- Two powerful self-cleaning water circulation pumps ensure rapid flow rate and effective spray pressure

Design and Convenience

- LCD Display with 20 standard programs and 20 additional adjustable programs
- RS-232 printer connection for documenting washing phases
- Three chemical dosing pumps with the ability to adjust detergent consumption for each cycle (level control). Additional dosing pump is optional.
- Door made of HST tempered glass
- Self-cleaning chamber with rounded edges
- Capacity to store up to four 5 liter containers of detergent

Optional

- Integrated printer
- 4th chemical dosing pump
- Steam condenser prevents steam from entering the washing area
- Turbo drying allows hot air recirculation for shorter cycles
- Color touch screen with 65 washing and disinfection programs available

Tiva 900 / Tiva 1000

15 DIN Baskets : 500 liter chamber

- Automatic Single/Double Door
- HEPA-filtered forced air drying
- LCD display (optional Touch Screen)
- 40 Programs
- 3 Chemical dosing pumps

The largest Tiva Washer-Disinfector is designed to meet the increasing processing needs of a CSSD. Fully automatic sliding doors allow for manual or automatic loading and unloading. The two vertically installed washing pumps enable consistent and efficient washer disinfecting performance and a complete drain of the washing circuit. A HEPA H14 air filter is used for injecting clean air into all the chamber parts at different basket levels and into injectors.

Features

Performance

- Washing disinfection temperature fully adjustable up to 93°C
- Temperature controlled by means of two independent PT1000 probes
- Fresh water intake between each phase of the cycle promotes hygiene and better cleaning
- Three level water filtering system
- Washing and drying injection system enables direct injection into hollow objects ensuring optimal thermal disinfection and drying
- HEPA Filtered H14 forced-air drying system with adjustable time and temperature settings helps to ensure the complete drying inside and outside of items in the washing chamber
- Two powerful self-cleaning water circulation pumps ensure rapid flow rate and effective spray pressure

Design and Convenience

- LCD Display with 20 standard programs and 20 additional adjustable programs
- RS-232 printer connection for documenting the washing phases
- Three chemical dosing pumps with the ability to adjust detergent consumption for each cycle (level control). Additional dosing pump is optional.
- Automatic vertical sliding doors are positioned at a height for convenient loading and unloading using manual or automatic loading and unloading trolleys

- Door window made of HST tempered glass
- Self-cleaning chamber with rounded edges

Optional

- Integrated printer
- 4th chemical dosing pump
- Steam condenser prevents steam from entering the washing area
- Turbo drying allows hot air recirculation for shorter cycles
- Color touch screen with 65 washing and disinfection programs



Monitoring and Control

A color touch screen control offers excellent user convenience with auto-diagnostic checking that constantly displays current cycle status and alarms. 10 standard washing cycles, 50 customized washing cycles and 5 service cycles are available. An ethernet port is also provided.



Technical Information

Model Name	Tiva 750/800	Tiva 900/1000
Dimensions		
Width/Depth/Height mm.	900/750/1850 mm	1140/915/1900 mm
Net Weight	280 Kg	450 Kg
Gross Weight	320 Kg	500 Kg
Basket Volume	10 DIN baskets	15 DIN baskets
Connections		
Drain Pipe	Diam. 45 mm	Diam. 45 mm
Electrical Connection	400 Vac 3 N+G / 50Hz 3 x 208V / 60Hz or 3 x 480V / 60Hz (optional)	400 Vac 3 N+G / 50Hz 3 x 208V / 60Hz or 3 x 480V / 60Hz (optional)
Total Power	13.5 kW	20 kW minimum
Pump Power	kW 0,9+0,55	kW 0,9+0,55
Dryer blower	350 m ³ /h	500 m ³ /h
Dryer heating	4500 W	7800 W
Breather pipe chamber	Diam. 120 mm	Diam. 120 mm
Demineralized Water Connection	3/4" male DN 20 mm	3/4" male DN 20 mm
Connections - Cold Water		
Hydraulic Connection Cold Water	3/4" male DN 20 mm	3/4" GAS DN 20 mm
Min. / Max. Pressure	1 bar / 5 bar	1 bar / 5 bar
Flow Rate	24 Liters/minute at 2 bar pressure. Dynamic.	24 Liters/minute at 2 bar pressure. Dynamic.
Min. / Max. Temperature	10°C / 15°C	10°C / 15°C
Connections - Warm Water		
Hydraulic Connection Warm Water	3/4" GAS DN 20 mm	3/4" GAS DN 20 mm
Min. / Max. Pressure	1 bar / 5 bar	1 bar / 5 bar
Flow Rate	24 Liters/minute at 2 bar pressure. Dynamic.	24 Liters/minute at 2 bar pressure. Dynamic.
Min. / Max. Temperature	45°C / 65°C	45°C / 65°C
Utilities		
Noise	57.5 dBA	58 dBA
Min. / Max. Permitted Room Temperature	+5°C / +40°C	+5°C / +40°C

Your Sterilization & Infection Control Partners



Company Profile

For over 85 years, Tuttnauer's sterilization and infection control products have been trusted by hospitals, universities, research institutes, clinics and laboratories throughout the world. Supplying a range of top-quality products to over 100 countries, Tuttnauer has earned global recognition as a leader in sterilization and infection control.

Global partnerships

At Tuttnauer we feel that business means people dealing with people. We pride ourselves on our reputation for having long-lasting relationships with our customers, spanning over decades and distances and for building solid, long-term relationships based on commitment and trust.

Our Flexibility is Your Advantage

Beyond our unmatched range of products, we also manage complete turnkey solutions, including planning, design and installation of equipment, as well as consultation and feasibility studies, for projects of all sizes.

More from Tuttnauer:

Featuring Tuttnauer's range of cleaning, disinfection and sterilization solutions



T-Max Line of Large Sterilizers



Washer disinfectors for hospitals and laboratories



Laboratory autoclaves ranging in size and application



Pre & post vacuum tabletop sterilizers designed to perform class B cycles



Washer-Disinfector Line

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