



Flexible

## Clinic Washer-Disinfectors

# Easy-to-Use Washer-Disinfectors for Clinics

The Clinic Range of Washer Disinfectors provides superior cleaning and disinfection combined with innovative options to minimize cost and time. This comprehensive approach offers a flexible solution for safe and thorough processing of a wide range of medical products for clinics, dental practices and medical centers.



## Washer-Disinfector Line

### High Quality 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 requirements of the customer.

#### Mechanical Cleaning Action

Mechanical action is a vital component of the cleaning process which uses heavy duty wash pumps to 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 dirt build-up.



## Long Lasting and Safe

### Water Quality

Built-in large capacity water softener for a continuous supply of softened water enhances cleaning effectiveness and prevents build-up of limescale.

### 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.

## Standard Compliant

All Tuttnauer washer-disinfectors comply with 93/42/EEC and are manufactured in accordance with EN ISO 15883-1 and 2.

## Tiva 610

### 10 DIN Baskets : 250 liter chamber

- Single or Double Door
- 2 Chemical dosing pumps
- Hot air drying
- Built-in steam condenser
- 40 Programs

The Tiva 610 is an economic washer featuring low energy and water consumption. Several double door Tiva 610 washer-disinfectors used together are an ideal low-cost solution for medical centers that need effective washing of large quantities of medical items. Loading and unloading of instruments is carried out using manual trolleys, optionally connected to a conveyer system.



## Tiva 600

### 8 DIN Baskets : 200 liter chamber

- Single or Double Door
- 2 Chemical dosing pumps
- Hot air drying
- Built-in steam condenser
- 40 programs

The Tiva 600 is ideal for medical centers, dental practices and clinics. It marks the evolution of a flexible system for washing, disinfecting and drying of medical and laboratory items. The Tiva 600 washer provides an excellent preparation for sterilization.





## Features

### Performance

- Washing 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
- Connections to cold, warm and DI water are standard
- A triple water filtration system captures residues so they are not re-circulated
- The washing and drying injection system enables direct injection into hollow objects ensuring optimal thermal disinfection and drying
- Filtered forced air drying, with adjustable time and temperature settings, helps to ensure complete drying inside and outside of all items in the washing chamber
- Heavy duty self-cleaning water circulation pump ensures rapid flow rate and effective spray pressure
- Steam condenser prevents steam from entering the washing area

### Design and Convenience

- LCD display with 20 standard cycle programs and 20 additional adjustable cycle programs
- RS-232 printer connection is provided for documenting the washing phases
- Two chemical dosing pumps with the ability to adjust detergent consumption for each cycle (level control).
- Glass viewing window
- Self-cleaning chamber with rounded edges
- Capacity to store up to four 5 liter containers of detergent
- Doors are positioned at a convenient height for loading and unloading using a trolley

### Optional

- 3rd and 4th chemical dosing pump
- HEPA H14 air filter
- Integrated printer

# Tiva 500 / Tiva 500C

## 8 DIN Baskets : 171 liter chamber

- Single Door
- 2 Chemical dosing pumps
- 40 Programs (Tiva 500C)
- Hot air drying (only in Tiva 500C)
- Built-in steam condenser
- 5 Programs (Tiva 500)

The Tiva 500 series washer disinfectors are ideal for medical centers, dental practices and small hospitals for disinfecting a large range of surgical instruments. They are fast and effective making them ideally suited for preparing instruments for sterilization. These washers are specially designed for installations with limited space.



### Tiva 500

- LED Display with 5 adjustable programs



### Tiva 500C

- Powerful integrated filtered air drying system
- LCD display with 40 adjustable programs

## Features

### Performance

- Washing and disinfection temperatures are 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
- Connections to cold, warm and DI water are standard
- A triple water filtration system captures residues so they are not re-circulated
- Steam condenser prevents condensation from entering the washing area
- Heavy duty self-cleaning water circulation pump ensures rapid flow rate and effective spray pressure

### Design and Convenience

- RS-232 printer connection is provided for documenting the washing phases
- Two chemical dosing pumps with the ability to adjust detergent consumption for each cycle (level control). Additional dosing pumps are optional.
- Self-cleaning chamber with rounded edges
- Tiva 500: LED display with 5 adjustable washing programs
- Tiva 500C: LCD display with 20 standard programs and 20 additional custom programs

### The Tiva 500C also includes the following additional features:

- Washing and drying injection system enables direct injection into hollow objects insuring optimal thermal disinfection and drying

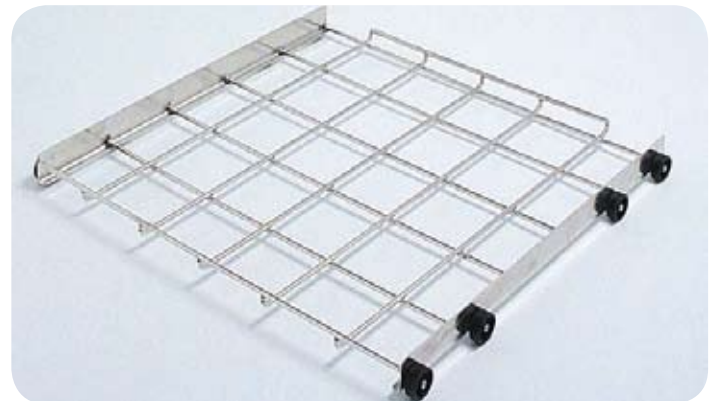
- Filtered forced air drying, with adjustable time and temperature settings, helps to ensure complete drying inside and outside of all items in the washing chamber

### Optional

- Extra power 8kW (Tiva 500)
- HEPA H14 air filter (Tiva 500C)
- 3rd chemical dosing pump
- 4th chemical dosing pump (Tiva 500C)
- External printer
- Glass viewing window available

### A complete range of accessories:

- baskets, inserts, trays



Standard Lower Basket



Model Name	Tiva 500	Tiva 500C	Tiva 600	Tiva 610
<b>Dimensions</b>				
Width/Depth/Height mm.	600/630/850 mm	600/630/850 mm	650/660/1685 mm	650/710/1840 mm
Net Weight	65 Kg	65 Kg	179 Kg	230 Kg
Gross Weight	70 Kg	70 Kg	188 Kg	260 Kg
Basket Volume	8 DIN Baskets	8 DIN Baskets	8 DIN Baskets	10 DIN Baskets
<b>Connections</b>				
Drain Pipe	Diam. 25 mm	Diam. 25 mm	Diam. 25 mm	Diam. 25 mm
Electrical Connection	230 Vac / 50Hz 3 x 208V / 60Hz (optional) 3 x 230V / 60Hz (optional) 1 x 220V / 60Hz (optional)	400 Vac 3 N+T / 50Hz 3 x 208V / 60Hz (optional) 3 x 230V / 60Hz (optional) 1 x 220V / 60Hz (optional)	400 Vac 3 N+T / 50Hz 3 x 208V / 60Hz (optional) 3 x 230V / 60Hz (optional) 1 x 220V / 60Hz (optional)	400 Vac 3 N+T / 50Hz 3 x 208V / 60Hz (optional) 3 x 230V / 60Hz (optional) 1 x 220V / 60Hz (optional)
Total Power	3050 W	5600 W	8250 W	8250 W
Pump Power	550 W	550 W	750 W	750 W
Dryer Blower	-	150 m <sup>3</sup> /h	150 m <sup>3</sup> /h	250 m <sup>3</sup> /h
Dryer Heating	-	2000 W	2000 W	3000 W
Breather Pipe Chamber	-	Diam. 50 mm	Diam. 50 mm	Diam. 60 mm
Deminerlized Water Connection	¾" male DN 20 mm	¾" male DN 20 mm	¾" male DN 20 mm	¾" male DN 20 mm
<b>Connections - Cold Water</b>				
Hydraulic Connection Cold Water	¾" male DN 20 mm	¾" male DN 20 mm	¾" male DN 20 mm	¾" male DN 20 mm
Min. / Max. Pressure	1.0 / 5.0 bar	1.0 / 5.0 bar	1.0 / 5.0 bar	1.0 / 5.0 bar
Flow Rate	24 Liters/minute at 2 bar pressure. Dynamic.	24 Liters/minute at 2 bar pressure. Dynamic.	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	10°C / 15°C	10°C / 15°C
<b>Connections - Warm Water</b>				
Hydraulic Connection Warm Water	¾" male DN 20 mm	¾" male DN 20 mm	¾" male DN 20 mm	¾" male DN 20 mm
Min. / Max. Pressure	1.0 / 5.0 bar	1.0 / 5.0 bar	1.0 / 5.0 bar	1.0 / 5.0 bar
Flow Rate	24 Liters/minute at 2 bar pressure. Dynamic.	24 Liters/minute at 2 bar pressure. Dynamic.	24 Liters/minute at 2 bar pressure. Dynamic.	24 Liters/minute at 2 bar pressure. Dynamic.
Min. / Max. Temperature	45° / 65°C	45° / 60°C	45° / 65°C	45° / 65°C
<b>Utilities</b>				
Noise	52 dBA	52 dBA	56 dBA	57.5 dBA
Min. / Max. Permitted Room Temperature	+5°C / +40°C	+5°C / +40°C	+5°C / +40°C	+5°C / +40°C



## Washer-Disinfector Line

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