



DENTAL INSTRUMENT WASHER DISINFECTORS



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Dental Instruments Washer Disinfector

adela offers a comprehensive range of thermal disinfectors and accessories for the automated cleaning and disinfection in dental practices. Our long experience in automated cleaning of surgical instruments in Central Sterile Supply Departments, in endoscopy centers and in private practices allows safe, efficient and cost-effective cleaning and disinfection procedures based on proven modern technologies.

By using **adela** dental washer disinfectors, the dental professional has only to take care of the loading of the material and the selection of the cycle: all the rest - prewash, UV-C Optional, washing, thermal disinfection and drying - is provided by the machines. At the end of the cycle all the instruments are ready for sterilization without any further handling.

adela Dental Washer Disinfector are an efficient aid for the cleaning and thermal disinfection of all dental instruments. They exclude the professional risk due to handling contaminated instruments.

- Touch panel control system 16K TFT hmi panel
- Full visible window
- Graphical thermal printer 500 dpi (optional)

Key Features

- USB-RS 232-RS 485 port is provided with printer connection for monitoring and validating washing phases.
- Door provided with glass window.
- Filtered forced air drying system with adjustable time and temperature setting, helps to ensure the complete inside and outside drying of all the instruments and tubes.
- LCD touch control system with colour panel to visualize cycle status. 6 standard programs and 90 additional custom programs are available.
- The optional built-in water softener provides optimal cleaning effectiveness.
- Washing and disinfection temperature are fully adjustable up to 93°C. Temperature is monitored by two independent sensors.
- Standard steam condenser eliminates vapors from entering into the practice.
- Heavy washing pump ensures high flow rate combined with effective spray pressure.
- Washing/drying injection system on three levels.
- Inner cabinet, washing arms and tank filters made of high quality AISI 316 L stainless steel.
- Overcurrent protect
- Overvoltage protect
- Chemical consumption record
- Water and electric power consumption record
- Machines are equipped with door locking system during the whole cycle.

Cleaning Effectiveness

The Mechanical action is one of the main elements for effective cleaning during the washing process. Adela has customized the washing pumps and circuits of each model ensuring high flow rate combined with effective spray pressure. Efficient Hot Air-Drying System facilitates the total elimination of remaining water both inside and outside the instruments.

Chamber and spray arms made of high-quality stainless steel AISI 316L to withstand high temperature and chemical actions (DIN 1.4404).
External cabinet made of AISI 304 stainless steel (DIN 1.4301).
Construction system with total removal of angles, self-cleaning tank with rounded edges, water filtering system in three levels.



Easy to use, the touch control system with graphic colour TFT display simplifies the end user job when operating the machine.

Provides easy intervention in emergency situations.

Print reports and historical cycle data. All critical parameters are registered, in particular: status at the end of the washing cycle, reached A0 values, programmed and executed water and chemical quantity consumption, temperatures measured by monitoring probes during each cycle phase.

adela Productivity

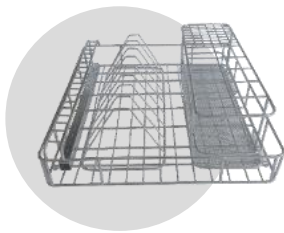
- Efficient Hot Air-Drying System
- It heats up to 93°C and the temperature is hold to 3 minutes, achieving thermal high-level disinfection under control of two independent probes for the monitoring. High level disinfection and hot air drying in less than 60 minutes.
- Connection for automatic dosing of liquid detergents with level control and monitoring of the detergent and rinse volume.
- Chamber and spray arms made of high-quality stainless steel AISI 316L to withstand high temperature and chemical actions. External cabinet made of AISI 304 stainless steel.
- Construction system with total removal of angles, self-cleaning tank with rounded edges.
- Machines are equipped with door locking system during the whole cycle.

Technical Data

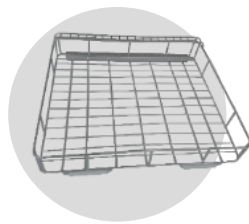
	40 L	60 L
Chamber dimensions	406 x 385 x 270 mm	406 x 485 x 270 mm
External dimensions	674 x 570 x 660 mm	674 x 670 x 660 mm
Door type	Single door	
Door working principle	Manual	
Chamber volume	40 L, 60 L	
Electronical control type	MCU controlled main board	
Blower flow rate	Up to 100 m ³ /h	
Stainless Steel type	Chamber, inside of door, spray arms and baskets made of AISI 316L External cabinet made of AISI 304	
Printer	Graphical Thermal Printer 500 dpi (Optional)	
Dosage system	2 dosage pumps with level and flow rate ability (Optional 1 Dosage Pump For Additional Lubricant)	
Blower electrical power	750 W	
Hepa Filter	HEPA-filter class 14	
R-connection port	USB-RS 232-RS 485	
Control panel	16K TFT hmi panel	
Heating power	2750 W	
Electricity	200-260 V / 50-60 Hz	
Standard	EN ISO 15883	

Accessories

A complete range of wash baskets is available for dental and other applications.



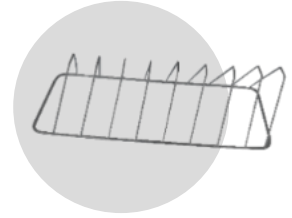
Loading Basket



Basic Washing Basket



Vertical Basket For
Mirrors And Instruments



8 Positions
Tray Basket



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