Tethys
thermal disinfectors

Hygiene
above all else

Tethys thermal disinfectors
Wash process automation and disinfection

Proper reconditioning of surgical instruments can only be achieved through successive stages of washing, disinfecting and drying.

To ensure the required standard of safety and efficiency, each step requires time, diligence and meticulous attention.

The latest series of Tethys thermal disinfectors maximises results with minimal effort. These fully automatic machines ensure perfect cleaning of instruments and the highest standard of disinfection, all while ensuring complete protection for operators and the elimination of any procedural errors.

Designed and built to best meet the needs of an increasingly mature, aware market, Tethys thermal disinfectors are a perfect combination of reliability, user-friendliness, cutting-edge features and absolutely no loss of performance over time.

Safety and reliability

Tethys thermal disinfectors are EN 15883-compliant, ensuring optimal washing and disinfection performance.

Featuring advanced control systems, cutting-edge devices and sensors to control functional parameters, they ensure effective, controllable, repeatable treatment cycles. Wash tank and door are made of AISI 316L stainless steel, as are the trolleys and internal accessories, providing excellent durability.

Efficiency and value

Tethys has a new, eye-catching front glass panel with integrated SOFT TOUCH controls to ensure durability and hygiene, allowing simple yet comprehensive control of functions. The LCD displays all information relating to operation of the device, with dynamic display of key parameters such as time, temperature and phase during the execution of each cycle. Automation of the wash/disinfection process, reduced risk of contamination, time and resource savings, plus a range of readily available accessories make Tethys a key, highly advantageous investment.

Traceability and connectivity

The new Tethys range gives users complete control over thermal disinfection processes, as required by the EN 15883 standard. Reports on completed cycles are saved on the internal memory of the device and can be downloaded via the frontal USB port.

Practicality and flexibility

The Tethys range comes in two different sizes - 60 and 45 cm - and can be installed as a stand-alone unit or underneath the worktop. The as-standard set-up includes connection to the mains water, treated by a built-in softener, and the option of connecting to a demineralised water supply. The unit can also be connected to the hot water supply to reduce cycle times. The available programs, the two trolleys and the wide accessory range ensure the device can be adapted to the individual user's specific needs.

Tethys: optional extras

Every professional workplace is characterized by the type of instruments in use and their specific handling and treatment requirements. That's why Tethys thermal disinfectors have an extensive accessory range, allowing for a personalised wash tank set-up able to meet a full range of needs across the various medical sectors.

Containers and supports

An extensive accessory range is available to respond to widely different requirements and make the best possible use of available space.

Code	Description
M7E200041	Stainless steel basket with handles; dimensions 450 x 450 x 55 mm (5 x 5 mm mesh), available only for Tethys D60/T60
M7E200042	Stainless steel basket with handles; dimensions 435 x 160 x 50 mm (5 x 5 mm mesh)
M7E200043	Stainless steel basket with handles and lid; dimensions 130 x 225 x 50 mm (3 x 3 mm mesh; lid 5 x 5 mm)
M7E200044	Stainless steel basket with handles; dimensions 450 x 225 x 50 mm (5 x 5 mm mesh)
M7E200046	Stainless steel basket with handles; dimensions 480 x 225 x 50 mm (5 x 5 mm mesh), available only for Tethys D60/T60
M7E200047	Stainless steel micro-mesh basket with lid, for small and/or thin instruments; dimensions 240 x 235 x 55 mm (2 x 2 mm mesh)
M7E200048	Stainless steel micro-mesh basket with lid, for small and/or thin instruments; dimensions 100 x 80 x 45 mm (2 x 2 mm mesh)
M7E200049	Stainless steel micro-mesh basket with lid, for small and/or thin instruments; dimensions 280 x 168 x 45 mm (2 x 2 mm mesh)
M7E200050	High stainless steel basket with handles; dimensions 300 x 155 x 115 mm (3 x 3 mm mesh)
M7E200051	Stainless steel support for 2 baskets / IMS unit; dimensions 415 x 130 x 150 mm; to be placed on upper trolley
M7E200052	Stainless steel support for 3 basins/baskets/IMS unit; dimensions 300 x 130 x 145 mm, to be placed on lower trolley
M7E200053	Stainless steel support for 8 tray lids; dimensions 385 x 310 x 115 mm
M7E200054	Stainless steel support for 8 tray lids; dimensions 445 x 310 x 120 mm
M7E200055	Stainless steel support for 6 IMS units / 12 IMS half-units; dimensions 445 x 230 x 155 mm
M7E200056	Stainless steel support for 10 trays/pans; dimensions 440 x 170 x 175 mm, to be placed on lower trolley
M7E200057	Stainless steel support for 11 trays; dimensions 335 x 305 x 115 mm
M7E200058	Stainless steel support for 16 trays; dimensions 460 x 310 x 115 mm
M7E200059	Vertical stainless steel support for various instruments
M7E200060	Stainless steel support for pliers; dimensions 305 x 150 x 135 mm, to be placed on upper trolley

Washing handpieces and cannula

To meet the special wash/disinfection needs of ducted instruments, specific accessories are available to perform both external washing and delicate yet thorough washing of the internal ducts of handpieces, turbines and couplings.

Code	Description
M7E200034	8 position handpiece washing support for Tethys D60, fitting on the upper trolley
M7E200035	8 position handpiece washing support for Tethys T60, fitting on the upper trolley
M7E200036	6 position handpiece washing support for Tethys T45, fitting on the upper trolley
M7E200037	4 position handpiece washing support for Tethys T60, fitting on the upper trolley
M7E200038	3 position handpiece washing support for Tethys T45, fitting on the upper trolley
M7E200039	Coupling washing support (with set of 24 nozzles d=3 mm) for Tethys D60/T60su, fitting on the upper trolley
M7E200040	Coupling washing support (with set of 16 nozzles d=3 mm) for Tethys T45, fitting on the upper trolley
M7E200068	12 position handpiece washing support for Tethys T60, fitting on the upper trolley
M7E200069	12 position handpiece washing support for Tethys D60, fitting on the upper trolley
M7E200070	12 position handpiece washing support for Tethys T45, fitting on the upper trolley

Special supports

Tethys thermal disinfectors can be fitted with trolleys, designed for the treatment of specific devices.

Code	Description
M7E200030	Upper trolley for operating theatre footwear for Tethys D60/T60, spaces for 4 pairs of standard shoes
M7E200031	Lower trolley for operating theatre footwear for Tethys D60/T60, spaces for 8 pairs of standard shoes
M7E200032	Upper trolley for operating theatre footwear for Tethys T45, spaces for 3 pairs of standard shoes
M7E200033	Lower trolley for operating theatre footwear for Tethys T45, spaces for 4 pairs of standard shoes

Other accessories

Whatever your requirements, we can provide the right solution.

Code	Description
7KE90003	External printer + RS232 board kit
M7E200061	Lockable stainless steel base unit for Tethys D60/T60; fitted with detergent storage space; raises loading level to 70 cm above the floor
M7E200062	Top closure for under surface fitting Tethys D60/T60 (h=825 mm)
M7E200063	Top closure for under surface fitting Tethys T45 (h=825 mm)
M7E200064	WaterStop kit; detects water leaks from the machine and shuts off the system; available only for Tethys D60/T60
7EK90001	230V single-phase connection kit (50/60 Hz)
7KE90002	230V tri-phase connection kit without neutral (50/60 Hz)

Technical specifications	Tethys D60	Tethys T60	Tethys T45
Management system	Electronic with microprocessor		
Programs available	20		
Control panel	Glass panel with LCD screen, Soft Touch controls		
Temperature inside chamber	From room temperature up to 95°C		
Temperature sensors inside chamber (2x)	Resistance thermometers PT 1000 cl. B (IEC 60751)		
Dosing systems for detergent and neutralizer	Peristaltic pumps		
Detergent and neutralizer level sensors	YES		
Door locking system	YES, electromagnetic with automatic release		
Traceability	Cycle reports saved on internal memory (capacity over 100 cycles)		
USB Port	YES		
RS232 serial port	YES (optional)		
Cycle archive on PC	Yes, with exclusive program		
Washing chamber material	AISI 316L stainless steel		
Outside panels	AISI 304 stainless steel		
Drying system	Forced air, with hot air generator	Thermal (door opening at the end of the cycle)	
Pre-filter	Yes (class C 98%)	NO	
HEPA filter	Yes (class S 99.999%)	NO	
Water connection (1.5-5 bar)	Mains cold water / Demineralised water / Main hot water (not for model T45)		
Built-in water softener	Yes, automatic volumetric regeneration (up to 60°F)		
Vapour condenser	High-efficiency ECO SLIM system		
Max power	7.0 kW (tri-phase version) / 2.8 kW (single-phase version)		3.0 kW
External dimensions (L x D x H)	600x605x850 (830*) mm		450x620x850 (830*) mm
Chamber dimensions (L x D x H)	520x515x545 mm		380x480x590 mm
Chamber capacity	168l		110l
Weight	72 kg		52 kg
Voltage and nominal power	3/N/PE 400V-50Hz - 7.0kW**		1/N/PE 230V-50Hz - 3.0kW
Noise	< 50 dB(A)		

NOTES:
*built-in version, with optional top
**standard power supply: Tethys D/T60-400V tri-phase / Tethys T45-230V single phase. 60Hz versions available

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cefla
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