



WASHER AND DISINFECTOR



Sterilmed Medical

ElektrikElektronikOtom. İnş. Gıda San. ve Dış Tic. Ltd. Şti.



About us

Sterilmed Medical was established in 2009 in Ankara to provide 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 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 97/23/EEC Pressurized Equipment certificate. Furthermore, our steam sterilizers and washing disinfection devices have been certificated by the UK accredited body.

Our Firm is successfully implementing several projects supported by National organizations.

Sterilmed Medical has been awarded with the following:
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 Directive,
PED 97/23/EEC Pressure Equipment Directive

General Specification



Control System	PLC
Use	Full automatic / button and touch screen
Screen Type	Colour TFT, Touchscreen LCD
Screen Dimension	7"
Keypad	Touchscreen
Printer	40 Characters / Line Thermal Printer
Communication	RS 232 Port / USB , Ethernet
Warning System	Visual, Audible and Printed
Data Recording	1000 PCS Cycle
Monitoring	Cycle status, process chart, water temperature, remaining time, selected program type
Mobility	Easy positioning on 4 swivel castors and hight adjustable legs for uneven floors.
Touch keys:	Choose the washing program, Start program, Stop program, Cancel Alarms, Settings, etc.



NO	PROGRAM	SET TEPRERATURE (°C)	TIME			
			SET (SEC)			
P3	P2	P1	1	Pre-washing	30	120
			2	Washing	60	600
		3	Drying 1	60	300	
		4	Drying 2	60	300	
	5	Disinfection	90	600		
	6	Drying	125	900		

P1: WASHING

P2: WASHING + DISINFECTION

P3 : WASHING +DISINFECTION + DRYING

P4 : DRYING

PROGRAM	SET TEPRERATURE (°C)	TIME	
		SET (SEC)	
Drying	125	9	

P5: SELF-DISINFECTION OF THE DEVICE

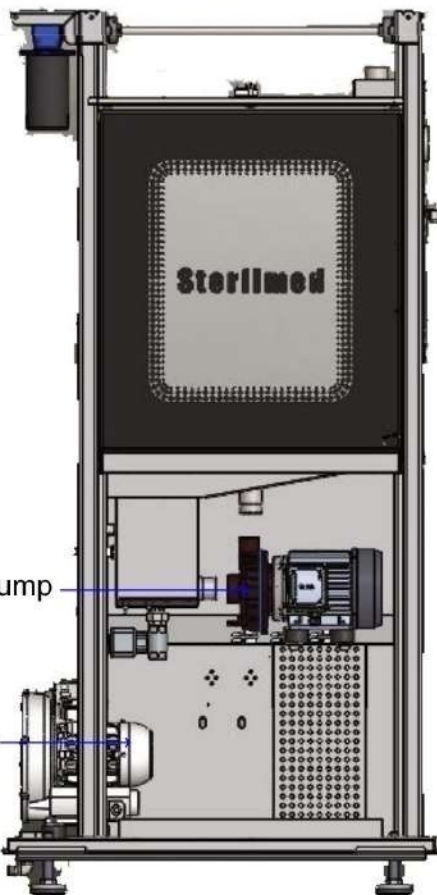
PROGRAM	SET TEPRERATURE (°C)	TIME	
		SET (SEC)	
Disinfection	90	600	

Features & Options

- Front emergency button
- Internal light
- Safety valve
- H14 HEPA filters
- Short circuit protections
- Dosage sensors for detergent and disinfectant
- Detergent and disinfectant level indicators
- Waterjet arms down, top, and for each rack shelf
- Heat exchanger for drain water
- Multi languages menu: English, Russian, Romanian, Turkey

Alarms

Alarms with the display of the code and the description of the fault;
Washing completion alarm; Short circuit alarms;
Empty canister alarms; Overheat alarm;



Temperature

Working Range 15°C – 95°C

Measuring 3xPT100 (DIN A Class) Sensor

Sensor Location Cabinet 2, Water 1

Pressure

Measuring 1 Pieces Pressure Sensors

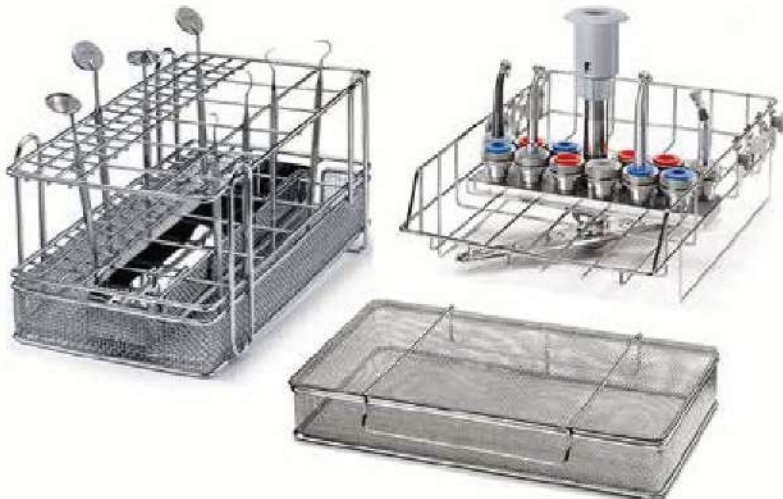
Sensor Location Air 1

Installation Requirements

Feeding Water RO treated deionized water for high performance.

Installation Power ~ 25kW,
200-250-360 L 3 Phase,
380 VAC ± 10

150 L ~ 15kW,
Mono Phase,
230 VAC ± 10



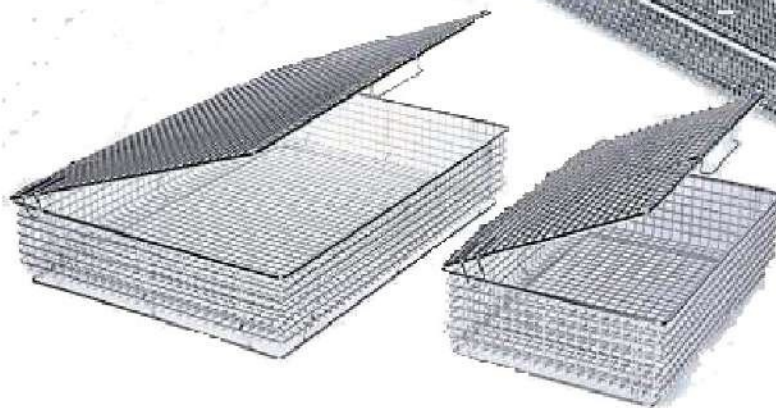


Device Construction

- Body ➤ 2,5 mm, AISI 304L Stainless Steel/AISI 316L Stainless Steel
- Chamber ➤ 1,5 mm, AISI 316L Stainless Steel
- Door ➤ Tempered Glass
- Outer Panels ➤ 1,5 mm, AISI 304L Stainless steel
- Piping ➤ Silicon Hose, 1,5 mm, AISI 304L or AISI 316L Stainless steel
- Chamber Polishing ➤ Electropolishing



Accessories



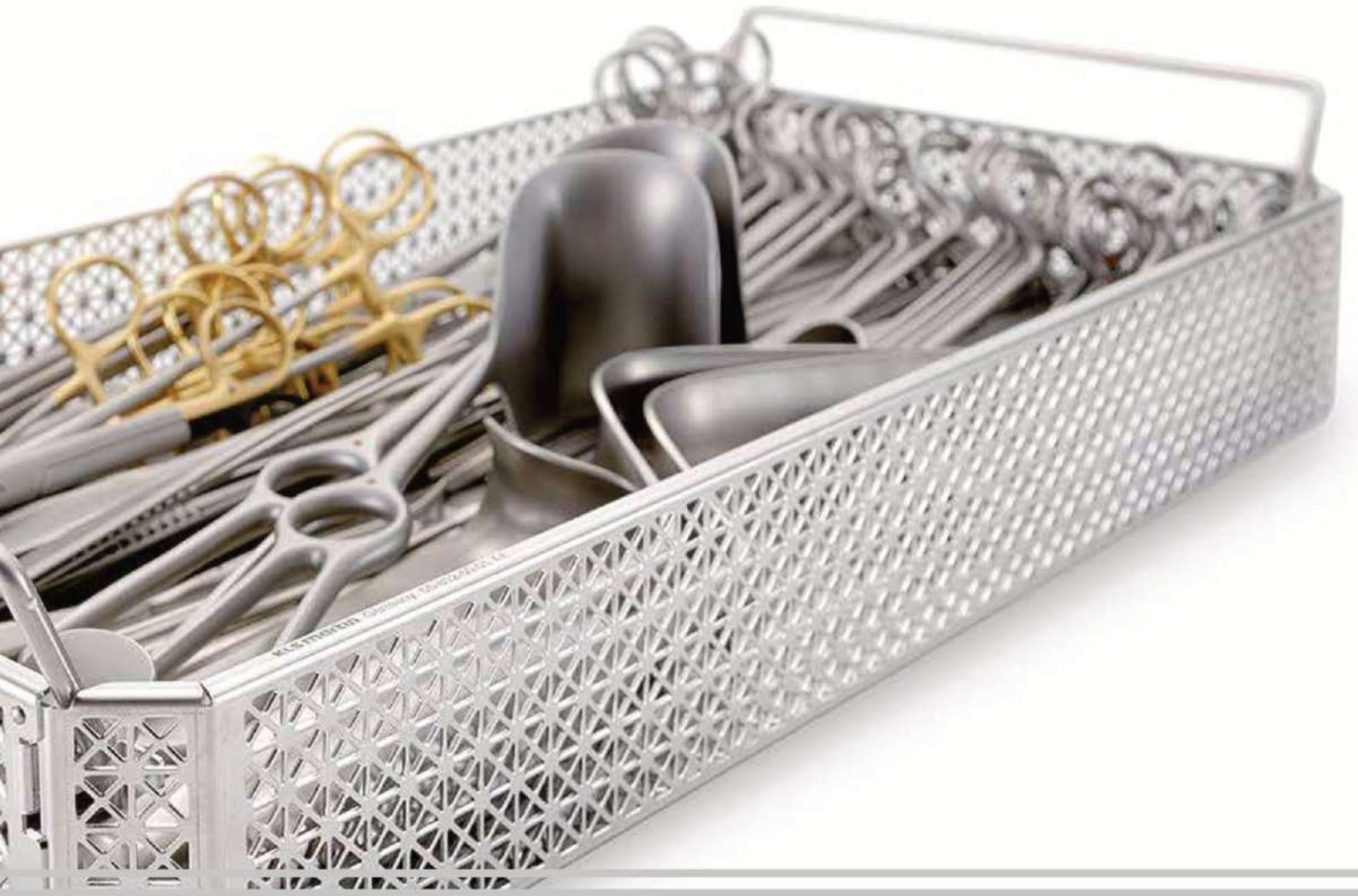
Racks & Trays



INSTALLATION CONDITION : 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 !



Model	WD-8	WD-10	WD-12	WD-15	WD-18	WD-6
Volume (lt.)	250	300	350	400	450	475
Vessel Width (mm)	625	625	625	625	625	625
Vessel Height (mm)	680	680	680	680	680	680
Vessel Depth (mm)	600	710	825	945	1060	1120
Single Door	+	+	+	+	+	+
Double Door	+	+	+	+	+	+
Touch Screen	7"	7"	7"	7"	7"	7"
RS232 Outlet	+	+	+	+	+	+
Water Resistance (kW)	15	15	20	20	20	20
Drying Resistance (kW)	6	6	6	6	6	6
Blowing Drying Motor Fan (m ³ /h)	210	210	210	210	210	210
Recirculation Pump (KW)	1.47	1.47	2.4	2.4	3.0	3.0
Recirculation Pump Electrical Properties	380V±10	380V±10	380V±10	380V±10	380V±10	380V±10
Recirculation Pump Flow (L/min)	1000	1000	1000	1000	1000	1000
Detergent Dosing Pump	+	+	+	+	+	+
Neutralizing Dosing Pump	+	+	+	+	+	+
Water Drainage Pipe Diameter	1"	1"	1"	1"	1"	1"
Basket	4	5	4	5	6	6
DIN Basket	8	10	12	15	18	15
HEPA Filter	H14, Particle Retention Ratio %99.999					
Electrical connection	3L+1N+1PE 50 Hz, 380 V AC					



Related Directives And Standards

Medical Devices Directive	MDD 93/42/EEC - 2007/47/EC
Medical Devices Class	Class IIb, acc. to EC MDD 93/42/EEC 2007/47/EC (Annex IX)
Low Voltage Directives	2006/95/EC, EN 60601-1
Electromagnetic Compatibility Directives	2004/108/EC, EN 60601-1-2
Washer and Disinfector Devices	EN 15883-1 Series Standard
Quality Management System Requirements	ISO 9001
Medical Devices Regulatory Requirements	ISO 13485
Environment Management System	ISO 14001

Quality Certificates

