

SEBA's Washer & Disinfector Devices is designed and manufactured for fast and efficient disinfection of surgical instruments, dressing tools, rubber materials and liquids in a glass container in healthcare facilities.

Model	WD-6	WD-8	WD-10	WD-12	WD-15	WD-18
	Under Bench	Large				
Vessel Width (mm)	625	625	625	625	625	625
Vessel Height (mm)	450	680	680	680	680	820
Vessel Depth (mm)	600	600	600	850	850	850
Device Width (mm)	950	980	980	980	980	980
Device Height (mm)	840	1930	1930	1930	1930	2070
Device Depth (mm)	810	820	820	1070	1070	1070
Package Width (mm)	1150	1030	1030	1100	1100	1100
Package Height (mm)	1150	2050	2050	2050	2050	2200
Package Depth (mm)	1010	970	970	1220	1220	1220
Single Door	+	+	+	+	+	+
Double Door	-	+	+	+	+	+
Touch Screen	4.3"	7"	7"	7"	7"	7"
RS232 Outlet	+	+	+	+	+	+
Water Resistance (kW)	5	10	10	15	15	15
Drying Resistance (kW)	3	6	6	8	8	8
Blowing Drying Motor Fan (m ³ /h)	100	150	150	150	150	150
Recirculation Pump (KW)	0.4	1.47	1.47	2.4	2.4	3.0
Recirculation Pump Electrical Properties	230V±10	380V±10	380V±10	380V±10	380V±10	380V±10
Recirculation Pump Flow (L/min)	325	650	650	900	900	1200
Detergent Dosing Pump	+	+	+	+	+	+
Neutralizing Dosing Pump	+	+	+	+	+	+
Electrical connection	3L+1N+1PE 50 Hz, 400 V AC					
Water Drainage Pipe Diameter	½"	1"	1"	1"	1"	1"
Basket Storey	3	4	5	4	5	6
DIN Basket	6	8	10	12	15	18
HEPA Filter	H14, Particle Retention Ratio %99.999					

Standard Programs	Program 1 Washing		Program 2 Disinfection		Program 3 Disinfection, Dry		Program 4 Drying		Program 5 Automatic	
	Temperature (°C)	Time (sec)	Temperature (°C)	Time (sec)	Temperature (°C)	Time (s)	Temperature (°C)	Time (sec)	Temperature (°C)	Time (sec)
Pre-wash 1	30	120	30	120	30	120	-	-	-	-
Pre-wash 2	-	-	-	-	-	-	-	-	-	-
Main Wash	55	300	55	300	55	300	-	-	-	-
Rinse 1	55	300	55	300	55	300	-	-	-	-
Rinse 2	-	-	-	-	60	300	-	-	-	-
Disinfection	-	-	90	300	90	300	-	-	90	300
Rinse 3	-	-	-	-	-	-	-	-	-	-
Drying	60	900	60	900	60	900	60	900	60	900

Device

Control System	PLC (Programmable Logic Controller)
Operation Mode	Fully Automatic / Button Command
Display Type	Color TFT, LCD Touch Screen
Display Sizes Available	7,0"
Key Pad	Touchscreen
Printer	40 Character/line, integrated thermal printer
Communication	RS232 Port
Warning System	Visual & Audio & Printed
Data Storage	1000 cycles
Monitoring	All the information displayed on the screen
Mobility	Easy positioning on 4 castors (2 x swivel) and firm fixing on suspension legs
GSM and Remote Control	WiFi and GSM module optional



Medical Device Directive	: 93/42/EEC as amended by directive 2007/47/EC
Device Classification	: Class Ib, acc. To EC MDD 93/42/EEC 2007/47/EC (Annex II)
Low Voltage Directive	: 2006/95/EC - EN 60601-2-040
EMC Directive	: 2014/30/EU EN 61326-1
Washer Disinfector Equipment Directive	: EN 15883-1
Sterilization – Washer Disinfector – Large sterilizers	: EN285:2016
Quality Management System Requirements	: EN - ISO 9001:2015
Medical Devices – Quality management systems – Requirements for regulatory purposes	: ISO 13485:2016
Environmental Management Systems – Requirements with guidance for use	: ISO 14001:2015

“Type” tests of SEBA Washer & Disinfector are performed and certified according to the directives of EN 285 and TS EN 17665-1-2 by The German accreditation company HYGCEN GmbH.

Safety & Quality Features

- Protects operator from electrical current leaks.
- Short circuit protection.
- HEPA filter for air filtration.
- Pressure sensor for water level.
- Emergency stop button.
- Password protection.
- Sensors against obstructions on the doors pathway.
- Doors locks.
- Unable to open both doors at once in Septic-Aseptic models.

Temperature

Range	15°C - 95°C (chamber)
Measurement	3 x PT 100 (DIN Class A) Sensors Chamber (1), Air (1), Water(1)

Consumption

Electricity	10 kW/cycle
Water (Approximate)	~80 Lt/cycle

Construction

Body	Electrostatic powder profile steel/AISI 304 SS
Chamber	6.0 mm, AISI 316 L/Ti stainless steel
Door	Tempered Glass
Panels Surrounding	AISI 304 stainless steel
Piping	Brass, AISI 304 stainless steel
Chamber Polishing	Electro polishing, Optional

Optional Accessories

- 2 Shelves including chamber rails
- Cart Set (Transport + Loading) with adjustable height option
- Single Transport Trolley (Optional Height Adjusting)
- Single Loading Cart (AISI 304 Stainless)
- DIN Basket (AISI 304 Stainless)

Installation Requirement

Power	30 kW, 3 Phase / 400 VAC ±10
Water	RO treated deionized water for high performance

Feeding Water Requirements

Residue on evaporation	≤ 10 mg/L
Silicate (SiO ₂)	≤ 1 mg/L
Iron	≤ 0.2 mg/L
Cadmium	≤ 0.005 mg/L
Conductivity (at 25°C)	≤ 0.05 mg/L
pH Value (degree of acidity)	≤ 0.1mg/L
Appearance	≤ 2 mg/L
Lead	≤ 0.5 mg/L
Heavy metals other than iron, cadmium	≤ 5 µS/cm
Chloride (Cl)	5 to 7,5
Phosphate (P ₂ O ₅)	≤ 0.1 mg / L
Color	Free of sediment, clear, colorless
Asperity (Σ Earth Alkali Ions)	≤ 0.02 mmol/L

Installation Conditions

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.



*Water quality should be checked by standard analytical test methods by the institution which utilizes the sterilizer.

SEBA Handels GmbH

Ziegeleiweg 6a, 51149 Köln, Germany

Tel: +49 162 6963 172 * Fax: +49 163 800 33 55

info@sebagmbh.de www.sebagmbh.de

