



LABORATORY TYPE VERTICAL AND HORIZONTAL AUTOCLAVES DATASHEET



www.sumerinc.com

Medical Device Directive	: MDD 93/42/EEC / 2007/47/EC
Medical Device Class	: Class IIb, MDD 93/42/EEC, 2007/47/EC (Annex IX)
Low Voltage Directive	: 2014/35/EU - EN 61010-2-040 – EN 61010-1 EN 60601-1
EMC Directive	: 2014/30/EU EN 60601-1-2 – EN 61326-1
Pressure Equipments Directive	: PED 2014/68/EU : EN 13445-1, -2, -3, -4, -5
Steam Sterilizer Directive	: EN285
Quality Mangement System	: ISO 9001
Medical Devices Quality Mangement System	: ISO 13485
Enviromental Management Systems	: ISO 14001

®“Type tests” of Sümer A.S. Steam sterilizers are performed and certified according to the directives of EN 285 and TS EN 17665-1-2 by The German accreditation company HYGCEN GmbH.



General Characteristics

Control System	PLC CPU Microprocessor
Operation Mod	Fully Automatic / Button Command
Screen Type	Multi-Color TFT, LCD Touch Screen
Screen Size	4.3"
Keypad	Touch Screen
Printer	40 Character /Line , Thermal Printer
Remote Control and Communication	RS 232 Port / USB , Ethernet (optional)
Warning Sytem	Visual & Audio & Printed
Data Storage	Up to 200 Cycles
Monitoring	Touch Screen, Anaolgue Gauges for Chamber and Air Pressure (Manometer)
Mobility	4 Easy positioning on and firm fixing on legs
Steam Generator	with electric valves

Safety and Quality

- √ Protects operator from electrical current leaks
- √ Short circuit protection.
- √ Safety valve
- √ Water level control via buoy in generator.
- √ Electric Valves for precise exhausting.
- √ Leak test.
- √ Password protection.
- √ Sensors against obstructions on the doors pathway
- √ Doors locks under pressure.
- √ Emergency stop button.
- √ Unable to open both doors at once double door models.

Programs

Microprocessor has 11 programs in total and the details are prescribed below:

Program	Temperature (°C)	Pressure (bar)	Sterilization Time (min.)	Drying Time (min.)
General	134	2,1	10	10
Fast	134	2,1	4	5
Sensitive	121	1,1	20	10
Prion	134	2,1	20	10
Flash	134	2,1	4	10
Packed 1	134	2,1	5	10
Packed 2	121	1,1	5	10
Liquid 1	134	2,1	10	-
Waste*	134	2,1	20	20
Bowie Dick Test	134	2,1	3,5	-
Helix Test	134	2,1	3,5	-

- Sterilization temperature
- Sterilization time
- Drying time
- Heart probe selection

Laboratory Type Horizontal Autoclaves

MODEL	USEFUL CAPACITY (L)	CELL (ØxD) (mm)	DEVICE (DxWxH)	TEMP. (°C)	MAX. PRESSUR (bar)	POWER (W)	WEIGHT (Kg)
ADELA-3Y 40 L	40	Ø400 x 320	780 x 665 x 660	100 - 134	2,1	4000	105
ADELA-3Y 60 L	60	Ø400 x 525	780 x 870 x 660	100 - 134	2,1	4000	135

Laboratory Type Vertical Autoclaves

MODEL	USEFUL CAPACITY (L)	CELL (ØxD) (mm)	DEVICE (DxWxH)	TEMP. (°C)	MAX. PRESSUR (bar)	POWER (W)	WEIGHT (Kg)
ADELA-3D 75 L	75	Ø400 x 600	670 x 740 x 1140	100 - 134	2,1	5000	120
ADELA-3D 90 L	90	Ø400 x 750	670 x 740 x 1260	100 - 134	2,1	6000	150
ADELA-3D 115 L	115	Ø400 x 910	670 x 740 x 1450	100 - 134	2,1	7500	175

Temperature

Range	115°C - 134°C (Chamber)
Measurement	PT 100 (DIN A Class)
Sensor Position	Chamber (1)

Vacuum

Source	Pump, Water Ring (2.2kW)
Pre-Vacuum	Yes

Device Construction

Body	AISI 304 Stainless Steel
Chamber	AISI 316L Stainless Steel
Door	AISI 316L Stainless Steel
Panel Cover	1-1,5 mm AISI 304 Stainless Steel
Pipes	AISI 304 Stainless Steel
Chamber Polishing	Electropolishing

INSTALLATION CONDITIONS: At least 20 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.

This document is intended for use of Distributors/Dealers/ Customers of SUMER Inc.
Reproduction in whole or in part by any other party is prohibited

Specifications are given for reference only and are subject to change without any previous notice.
Accessory/Product images are for illustrative purposes only !

Generator

Test Pressure	5,25 Bar
Test Temperature	150 °C
Water Level Protection	*CRES / AISI 304 SS

** CRES: Anti Corrosive Stainless Steel*



Solution Partners

SIEMENS

Schneider
Electric

seko

HANING

OSLV

SKF

DIGMESA

WURTH

SICK



www.sumerinc.com

 **sumer**

Address : Başkent OSB Başkent Bulvarı No:81
Malıköy-Sincan/Ankara/Türkiye
Phone : +90 312 394 61 73 +90 312 503 08 21 (pbx)
Fax : +90 312 394 61 95
E-mail : sumer@sumeras.com
Code no : SÜK.06-2
Date : 29.08.2019

 **SZUTEST**
NOTIFIED BODY 2195

 **kiwa**
attester for progress

 CE

 ISO
13485

 ISO
9001

 ISO
14001