



## TABLETOP AUTOCLAVES



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## About Us

Sümer A.Ş. was established in 1981 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 manufacturing takes place in an area of 25.000 m<sup>2</sup> in Ankara Organized Industrial Zone.

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 2014/68/EUPressurized Equipment certificate. Furthermore, our steam sterilizers, and disinfection and washing devices have been certificated by the German accredited body.

Our Firm is successfully implementing several projects supported by Tübitak, KOSGEB, and Ankara Development Agency. SÜMER A.Ş. has been awarded with the following:  
Ankara Industry Chamber Award for 2012, 2011 R&D Award,  
2012 Success Award.

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,  
PED 2014/68/EUPressurized Equipment



## Our Vision

To make the Sümer brand a global brand to make our Firm remembered first in the sector.

## Our Mission

Our main task is to create designs with competition power in the global sense by taking the priorities of the sector into consideration and being respectful to the environment and people and giving the first priority to the wishes and expectations of customers, and also to produce innovative technological medical products by meeting all the national and international legal requirements.

## Our Basic Values

- We are bound up with the Medical Ethical Rules,
- We are people-oriented,
- We respect environment,
- We are creative,
- We are customer-oriented,
- We are innovative,
- We are pro-active,
- We believe in the team spirit.



## Tabletop Autoclaves

**adeLa** range provides a single solution for the multiples sterilization needs on laboratories including instruments, hollowware elements, glassware and other laboratory items that need a final drying to avoid contamination.

Load has to be placed into the vessel's baskets and after automatic filling with distilled water, device starts to heat up and purge until set temperature is reached. In case of solid objects, discharge is automatically forced during cooling stage to reduce cycle time.

### Operating Principal

Table-top range provides a single solution for the multiples sterilization needs on laboratories including instruments, hollowware elements, glassware and other laboratory items that need a final drying to avoid contamination.

Load has to be placed into the vessel's baskets and, after automatic filling with distilled water, device starts to heat up and purge until set temperature is reached. In case of solid objects, discharge is automatically forced during cooling stage to reduce cycle time.

Steam sterilizers are designed and manufactured regarding the manufacturing and product standards.

Medical Device Directive	: MDD 93/42/EEC / 2007/47/EC
Medical Device Class	: Class IIb, MDD 93/42/EEC, 2007/47/EC (Ek. IX)
Low Voltage Directive	: 2006/95/EC-EN 60601-2-040- EN 61010-1-EN 60601-1
EMC Directive	: 2004/108/EC EN 60601-1-2, EN 61326-1
Pressure Equipments Directive	: PED 2014/68/EU: EN 13445-1, -2, -3, -4, -5
Steam Sterilizer Directive	: EN13060
Quality Mangement System	: ISO 9001
Medical Devices Quality Mangement System	: ISO 13485
Enviromental Management Systems	: ISO 14001



### ADELA –SM DESKTOP AUTOCLAVE TECHNICAL INFORMATION

Cell Volume (L)	18 L	23 L	32 L
Boiler Dimensions	Ø25 cm X 37 cm	Ø25 cm X 47 cm	Ø25 cm X 65 cm
Device Dimensions	46 X 46 X 62 cm	46 X 46 X 72 cm	46 X 46 X 92 cm
Temperature (°C)	100 - 134	100 - 134	100 - 134
Maximum Pressure (bar)	2,1	2,1	2,1
Power (W)	220 V – 50 Hz / 2,5 Kw	220 V – 50 Hz / 2,5 Kw	220 V – 50 Hz / 2,5 Kw
Weight (Kg)	65 Kg	70 Kg	80 Kg

### CELL TEST RESULTS

Cell Test Pressure	3,75 Bar
Cell Test Temperature	140 °C
Cell Working Pressure	2,5 Bar
Cell Operating Temperature	134 °C

### STRUCTURAL PROPERTIES

Body	AISI 304 Stainless steel (2mm, 30x40mm)
Cell	6mm, AISI 316L Stainless steel
Jacket	3mm, AISI 316L Stainless steel
Cover	AISI 304 Stainless steel
Panel Coating	AISI 304 Stainless steel
Piping	Pirinç, AISI 304 Stainless steel
Cell Polishing	Electro-polishing

GENERAL FEATURES OF THE DEVICE	
Control Selection	Electronic card
Usage Format	Fully automatic / button and touch screen
Screen Type	Color TFT, Touch LCD
Screen Dimensions	4,3"
Keyboard	Touch
Printer	40 Character, integrated thermal printer
Communication	RS232 Port/USB (Ethernet Opsional)
Warning System	Visual, voice and text message alert
Data Storage	200 cycles

AUTOCLAVE DEPARTMENT USED PROGRAMS	
Packaged Medical and Surgical Instruments	134 °C
Textile Materials	134 °C
Plastic / Rubber Materials	121 °C
Bottled Liquid	121 °C - 125 °C
Flash	134 °C
Prion	134 °C
Bowie&Dick Test	134 °C
Leak Test	Standart
Additional Programs	Opsional



## ADELA Tabletop Steam Sterilizers

REFERENCE NUMBER	PRODUCT NAME	MODEL	GMDN CODE
8698918582156	ADELA TABLETOP Steam Sterilizers 18 L	ADELA 18 L	38671 - Steam sterilizer
8698918582163	ADELA TABLETOP Steam Sterilizers 23 L	ADELA 23 L	38671 - Steam sterilizer
8698918582170	ADELA TABLETOP Steam Sterilizers 32 L	ADELA 32 L	38671 - Steam sterilizer
8698918582187	ADELA TABLETOP Steam Sterilizers 40 L	ADELA 40 L	38671 - Steam sterilizer





## **Certificates and Brand Registry Documents**

We believe that the way to the summit passes through high-quality and reliable manufacturing.







### Solution Partners

SIEMENS

Schneider  
Electric

seko

HANNING

OSLV

SKF

DIGMEGA

WURTH

SICK



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NOTIFIED BODY 2195

 **kiwa**  
attache for progress

 CE

 ISO  
13485

 ISO  
9001

 ISO  
14001