

# AXIS AX 1000

## EO GAS STERILIZER



*1000 liter EO Gas Sterilizer*



**KORDON**

Tıp Sağlık Araç ve Gereçleri

**Manufacturer:** KORDON TIP SAĞLIK ARAC GEREÇLERİ

PROJ. MUH. İTH.SAN. VE TIC.LTD.ŞTİ.

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India Distributor:

**Sparster Medical Dae**, 34/822-B, Srimoolam, PPN Nagar, Beena Anjumana Rd., Edappally, Cochin 682024, Kerala, India, Tel: +91 484 2349496: Mobile: +91 94470 49496 : E-mail: [illuzpar@yahoo.co.in](mailto:illuzpar@yahoo.co.in)



Axis offers the latest technology in gas diffusion sterilization systems. The products to be sterilized are placed in the Liner Bag together with the EO Gas Cartridge, Dosimeter, Humidity Chip and sealed with a tie or a sealing machine. All information on the device is provided to be displayed on the color monitor. All stages such as resistance, fan, vacuum, conditioning, sterilization, ventilation and so on can be easily followed, and visual and auditory warnings are given in case of any malfunction. EO is used in healthcare facilities to sterilize critical items (and sometimes semi-critical items) that are sensitive to moisture or heat and cannot be sterilized by steam or other sterilization methods. Therefore, a wide variety of materials, especially polymeric components commonly used in medical devices, can be sterilized with EO. The cabin is automatically kept under permanent vacuum in all stages (conditioning-sterilization-ventilation) and user safety is ensured.

AX-1000 Features	
Capacity	1000 liter
Display	7" Color Touch Screen
Internal Dimensions (WxDxL)	83x70x177 cm
External Dimensions (WxDxL)	90x81x207 cm
Weight	340 kg
Power	800W
Amperage	6A
Voltage	110-220 VAC
Working Temperature	30-59°C
Outer Material	Decorative Inox
Inner Material	Stainless Steel
Safety	Automatic Door Lock
Preconditioning	0-9 Hours
Sterilization	1-9 Hours
Aeration	0-9 Hours
Total Cycle Time	1-27 Hours
Liner Bag	60x90 cm / 58x100 cm
EO Cartridge	ARQ-11 / AR-11 / ARQ-20 / AR-20
Printer	Available
Connection	USB 2.0

- 100% EO and 100% Safe
- Vacuum type sealing and gasket pressure plate
- With negative pressure operation, measurement and safety system
- Sterilization and Ventilation in the same cabinet
- Microcomputer operating system
- 4 hour short program
- Practical and easy to use
- Pipe congestion warning system, works under permanent vacuum
- Modular use, loading 4 different bag groups separately, adding a new liner bag group during operation, running and observing is available.
- Cabin safety pressure measurement and instant monitoring
- Robust construction
- Use without failure risk, completely maintenance-free, full work
- Floor heating system
- Automatic door-lock system that does not require a mechanical handle
- In-bag humidity and temperature values can be seen online on the screen
- Integrated mobile humidity/temperature probe with calibration
- Ability to store past cycle reports in memory, when requested can be print from the internal printer again.
- MDR compliant, EN 61010-2-40, EN 61010-1, EN 60601-1-2 EMC, EN 60601-1, ISO 9001-13485 with Test and Quality Reports
- New software compatible with EN 14937 for validation studies
- Suitable for invasive sterilization

**What can be sterilized with AX 1000 EO Gas Sterilizer?**

- Heat sensitive equipment
- Assembled complex devices
- Catheters, stents, syringes, medical gloves,surgical threads
- Custom procedure packs
- Equipment with integrated electronics
- Multi-lumen tubing products
- Wound care dressings
- Plastic, metal, and rubber medical supplies
- Laparoscopic and endoscopic equipment
- Surgical instruments
- Surgical gowns and drapes
- Endoscopes, dental instruments
- Spices; thyme, mint
- Pharmaceutical capsules and boxes,brushes, face powders
- Old books and library applications
- Fabrics, leather, chemical fibers



**Chamber capacity/ dimensions**

Model	Volume Liters/cuft	In			Out		
		Width	Length	Depth	Width	Length	Depth
AX-1000	1000/35.3	83cms	177cms	70cms	90cms	207cms	81cms

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Axis EO Gas Sterilizers works with;  
**Axis EO Gas Cartridges (AR series)**  
 and these are consists of;  
 -Liner bag and tie-wrap  
 -100% Gas Cartridge of 24g  
 -Humidity Chip  
 -Dosimeter Indicator  
 -Dosimeter Tracking Form

or

Axis EO Gas Sterilizers works with;  
**Axis Ampoule Sets (ARQ series)**  
 and these are consists of;  
 -Liner bag and tie-wrap  
 -100% Gas Ampoule of 24g  
 -Humidity Chip  
 -Dosimeter Indicator (optional)



The ends of the Axis ethylene oxide ampoules are sealed with hermetic sealing technique.

**How does it work?**

Simply put items to be sterilized into the Liner bag along with the Gas Ampoule and Humidity Chip than seal the liner bag with any sealing machine or tie-wrap. Then when placing the Liner Bag in the sterilizer, activate the EO gas cartridge and the sterilization process will begin.

Liner bags allows EO gas circulation due its permable stucture. According to EO Gas Sterilizer volume, liner bag dimensions will change.

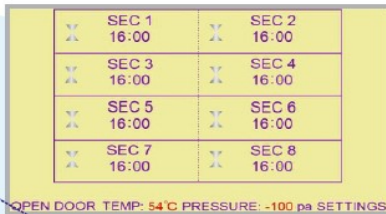
Humidity chips provide essential moisture inside the bag.



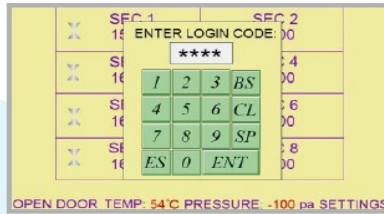
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**7" Color Touch Screen**



main screen



login screen



settings menu



```

AXIS EO STERILIZER AX 1800
Batch No: 2154
Cycle No: 0005
Date:
Lot No:
Date, Time, Temp, Load, Humidity
07:00 54 -100 30 21
== START ==
07:00 54 -100 30 21
CONDITIONING
07:15 54 -100 37 23
07:30 54 -100 52 24
07:45 54 -100 53 30
== POWER LOSS ==
08:30 54 -100 50 43
08:45 54 -100 50 41
== STERILIZATION ==
09:00 54 -100 54 43
09:15 54 -100 53 34
09:30 54 -100 54 35
09:45 54 -100 52 37
== VENTILATION ==
10:00 54 -100 54 26
10:15 54 -100 54 31
10:30 54 -100 54 28
10:45 54 -100 52 28
11:00 54 -100 52 26
11:15 54 -100 54 31
11:30 54 -100 54 31
11:45 54 -100 54 31
12:00 54 -100 53 30
12:15 54 -100 52 30
12:30 54 -100 53 29
12:45 54 -100 53 28
13:00 54 -100 52 27
== CYCLE COMPLETED ==
23:00 54 -100 54 34
Proposed Schedule: 1,2,3
Conditioning Time: 2 hour
Sterilization Time: 6 hour
Ventilation Time: 10 hour
Total Cycle Time: 16 hour
Sterilization Temp: 54°C
Mount Pressure: -100 pa
Average EO
Flow: 400 m³/hr
Average Sterilization Load Temp: 54°C
Average Sterilization Load Humidity: 52 %RH
    
```

USB 2.0 connection & Printer mini printer cycle report

AXIS Sterilizers do not require any pressurized air, water, or drainage. All that is required is a 220V earthed electricity supply and an opening in a wall/window through which the outlet pipe of 6 cm diameter can be connected to the atmosphere.

Time	Date	Cycle No	Temp°C	Pressure pa	Load Temp°C	Load HumidityRH	Status
07:00	18/09/20	0005	54	100	38	20	***** START *****
07:00	18/09/20	0005	54	100	38	20	CONDITIONING
07:15	18/09/20	0005	54	100	41	26	
07:30	18/09/20	0005	50	100	45	30	!! LOW TEMP !!
08:00	18/09/20	0005	54	100	48	33	
08:15	18/09/20	0005	54	100	51	38	!! POWER LOSS !!
08:30	18/09/20	0005	54	100	53	36	
09:00	18/09/20	0005	54	100	54	39	STERILIZATION
09:30	18/09/20	0005	54	100	53	38	
10:00	18/09/20	0005	54	100	52	37	
11:00	18/09/20	0005	54	100	54	38	
12:00	18/09/20	0005	54	100	53	36	
13:00	18/09/20	0005	54	100	53	32	VENTILATION
15:00	18/09/20	0005	54	100	52	30	
17:00	18/09/20	0005	54	100	54	28	
20:00	18/09/20	0005	54	100	53	27	
23:00	18/09/20	0005	54	100	54	25	*** CYCLE COMPLETED ***

CYCLE NO: 0010    START: 01/09/2020 13:00    GRAPHIC

The history data table saves all parameters, cycle steps, warning messages, cycle reports, etc up to the last one year working.



Kordon Tip Recommends

**Axis AX-1800 EO Gas Alarm**

- Instant tracking on the screen.
- EO concentration measurement in the range of 0-99 ppm.
- Microprocessor controlled.
- Visual and auditory alarm (> 85 dB).
- Adjustable alarm level.
- Automatic calibration.
- External alarm output.
- Can be mounted on the wall.
- High reliability.
- 220V 50Hz.
- 2-year warranty including sensor.
- Sensor life of up to five years

**The advantages of EO Sterilization:**

- The widest range of material and product compatibility
- Ability to sterilize long, narrow, and multi-channel lumens.
- All sides and surfaces will be sterilized
- Compatible with all common packaging materials.
- Does not damage delicate instruments like harsh chemical sterilants.



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