

AXIS AX 2000

EO GAS STERILIZER



2000 liter EO Gas Sterilizer



KORDON

Tıp Sağlık Araç ve Gereçleri

Manufacturer: KORDON TIP SAGLIK ARAC GERECLERI
PROJ. MUH. ITH.SAN. VE TIC.LTD.STI.

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Kerala, India, Tel: +91 484 2349496: Mobile: +91 94470 49496 : E-mail: 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-2000 Features	
Capacity	2000 liter
Display	7" Color Touch Screen
Internal Dimensions (WxDxL)	173x70x177 cm
External Dimensions (WxDxL)	181x83x207 cm
Weight	425 kg
Power	2500W
Amperage	12A
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	58x100 cm / 95x130
EO Cartridge	ARQ-11 / AR-11 / ARQ-20 / AR-20 ARQ-22 / AR-22 / ARQ-24 / AR-24
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 6 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 2000 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-2000	2000/70.6	173cms	177cms	70cms	181cms	207cms	83cms

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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.

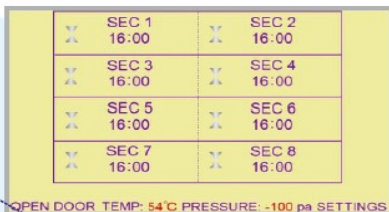
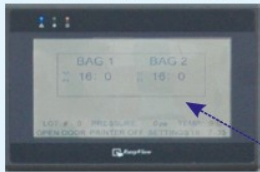
Humidity chips provide essential moisture inside the bag.



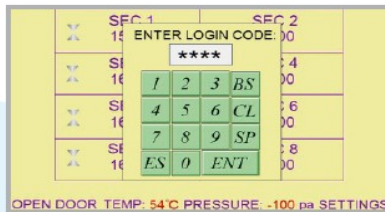
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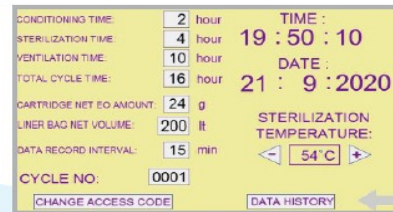
7" Color Touch Screen



main screen



login screen



settings menu



AXIS EO STERILIZER AX2000

Serial No: 2154
Cycle No: 0005
Operator: _____
Lot No: _____

Time	Cl	Temp	Pres	Load	Hum	Rel	St
07:00	04	-100	30	20			
07:00	04	-100	30	20			
07:15	04	-100	37	20			
07:30	04	-100	45	20			
07:45	04	-100	53	20			
--- POWER LOSS !! ---							
08:30	04	-100	53	20			
08:45	04	-100	54	20			
--- STERILIZATION ---							
09:00	04	-100	54	20			
09:15	04	-100	53	20			
09:30	04	-100	54	20			
09:45	04	-100	53	20			
--- VENTILATION ---							
10:00	04	-100	54	20			
10:15	04	-100	54	20			
10:30	04	-100	53	20			
10:45	04	-100	52	20			
11:00	04	-100	53	20			
11:15	04	-100	53	20			
11:30	04	-100	53	20			
11:45	04	-100	53	20			
12:00	04	-100	53	20			
12:15	04	-100	53	20			
12:30	04	-100	53	20			
12:45	04	-100	53	20			
13:00	04	-100	53	20			
13:15	04	-100	53	20			
13:30	04	-100	53	20			
13:45	04	-100	53	20			
14:00	04	-100	53	20			
14:15	04	-100	53	20			
14:30	04	-100	53	20			
14:45	04	-100	53	20			
15:00	04	-100	53	20			
15:15	04	-100	53	20			
15:30	04	-100	53	20			
15:45	04	-100	53	20			
16:00	04	-100	53	20			
16:15	04	-100	53	20			
16:30	04	-100	53	20			
16:45	04	-100	53	20			
17:00	04	-100	53	20			
17:15	04	-100	53	20			
17:30	04	-100	53	20			
17:45	04	-100	53	20			
18:00	04	-100	53	20			
18:15	04	-100	53	20			
18:30	04	-100	53	20			
18:45	04	-100	53	20			
19:00	04	-100	53	20			
19:15	04	-100	53	20			
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19:45	04	-100	53	20			
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20:45	04	-100	53	20			
21:00	04	-100	53	20			
21:15	04	-100	53	20			
21:30	04	-100	53	20			
21:45	04	-100	53	20			
22:00	04	-100	53	20			
22:15	04	-100	53	20			
22:30	04	-100	53	20			
22:45	04	-100	53	20			
23:00	04	-100	54	20			
--- CYCLE COMPLETED ---							
23:00	04	-100	54	20			

Processed Volume : 1.13
Conditioning Time : 2 hour
Distribution Time : 4 hour
Ventilation Time : 10 hour
Total Cycle Time : 16 hour
Sterilization Temp : 54 C
Sterilization Pressure : -100 ps
Average CF : 486 mgph
Average Sterilization Load Temp : 54 C
Average Sterilization Load Humidity : 50 %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-ps	Load Temp °C	Load Humidity %RH	Situation
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	20	
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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