

Laboratory Autoclaves

EMC-ACH 23

EMC-ACH 29

EMC-ACH 45



Laboratory Autoclaves



Model	Page 4 EMC-ACH 23	Page 5 EMC-ACH 29	Page 6 EMC-ACH 45
Chamber volume	23 L	29 L	45 L
Chamber dimensions (ØxD)	Ø247 x 450 mm	Ø247 x 625 mm	Ø319 x 617 mm
External dimensions (WxDxH)	490x690x455 mm	490x890x455 mm	640x840x560 mm
Net weight	53 kg	65 kg	120 kg
Type	Class B	Class B	Class B
Power	1750 W / 230-240 V / 50Hz	2300 W / 230-240 V / 50Hz	2300 W / 230-240 V / 50Hz
Sterilization temperature	121 °C / 134 °C	121 °C / 134 °C	121 °C / 134 °C
Operation temperature	5 °C – 40 °C	5 °C – 40 °C	5 °C – 40 °C
Capacity of distilled water tank (Water at level Max)	2.5 L	2.5 L	8.0 L
Capacity of distilled water tank (Water at level Min)	0.5 L	0.5 L	1.5 L
Operation relative humidity	max. 80 %, non condensing	max. 80 %, non condensing	max. 80 %, non condensing
Default program	11	7	7

Steam sterilizer for the most reliable methods known for the destruction of all forms of bacteria, viruses, fungi and spores. The model is a Class B autoclave in compliance with European standard EN13060.

Features:

• **Efficiency**

Intelligent system to save time and energy for complete sterilization cycle.

• **Safety**

Equipped with a multi protection system for pressure, temperature and electrical current protection. Kills 100 % of microbes including spores. Advanced technology enables extremely strict controls of temperature fluctuations to 0.1 °C in the sterilization phase which can effectively protect sterilization instruments and extend their lifetimes.

• **Quietness**

Highest technology by equipping the units with an extremely quiet vacuum pump. This ensures a quiet work environment for the users.

• **Carefulness:**

The overall appearance and aesthetic ensures an effective and efficient sterilization system. The focus is on the “ease of operation” and the “simplicity of maintenance” in designing a perfect sterilizer.



Model	EMC-ACH 23
Chamber volume	23 L
Chamber dimensions (ØxD)	Ø247 x 450 mm
External dimensions (WxDxH)	490x690x455 mm
Net weight	53 kg
Type	Class B
Power	1750 W / 230-240 V / 50Hz
Sterilization temperature	121 °C/ 134 °C
Operation temperature	5 °C – 40 °C
Capacity of distilled water tank	2.5 L (Water at level Max)
Capacity of distilled water tank	0.5 L (Water at level Min)
Operation relative humidity	max. 80 %, non condensing
Default program	11
USB memory stick 2.0	Included
Built-in printer	Included
Stainless steel rack with aluminium trays (WxD)	3 pcs. / max. 5 pcs. 192x 380 mm/pc.

Steam sterilizer for extra-long instruments.
The sterilization chamber reaches the depth of **620 mm**.
For the sterilization of laparoscopies and other long instruments. The model is a Class B autoclave in compliance with European standard EN13060.

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Intelligent system to save time and energy for complete sterilization cycle.

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•Quietness

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•Carefulness

The overall appearance and aesthetic ensures an effective and efficient sterilization system. The focus is on the “ease of operation” and the “simplicity of maintenance” in designing a perfect sterilizer.



Model	EMC-ACH 29
Chamber volume	29 L
Chamber dimensions (ØxD)	Ø247 x 625 mm
External dimensions (WxDxH)	490x890x455 mm
Net weight	65 kg
Type	Class B
Power	2300 W / 230-240 V / 50Hz
Sterilization temperature	121 °C/ 134 °C
Operation temperature	5 °C – 40 °C
Capacity of distilled water tank	2.5 L (Water at level Max)
Capacity of distilled water tank	0.5 L (Water at level Min)
Operation relative humidity	max. 80 %, non condensing
Default program	7
USB memory stick 2.0	Included
Built-in printer	Included
Stainless steel rack with trays (WxD)	3 pcs. 185/213/227x570 mm

Steam sterilizer for the most reliable methods known for the destruction of all forms of bacteria, viruses, fungi and spores. The model is a Class B autoclave in compliance with European standard EN13060.

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• **Safety**

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• **Quietness**

Highest technology by equipping the units with an extremely quiet vacuum pump. This ensures a quiet work environment for the users. CarefulnessThe overall appearance and aesthetic ensures an effective and efficient sterilization system. The focus is on the “ease of operation” and the “simplicity of maintenance” in designing a perfect sterilizer.



Model	EMC-ACH 45
Chamber volume L	45 L
Chamber dimensions (ØxD)	Ø319 x 617 mm
External dimensions (WxDxH)	640x840x560 mm
Net weight	120 kg
Type	Class B
Power	2300 W / 230-240 V / 50Hz
Sterilization temperature	121 °C / 134 °C
Operation temperature	5 °C – 40 °C
Capacity of distilled water tank	8.0 L (Water at level Max)
Capacity of distilled water tank	1.5 L (Water at level Min)
Operation relative humidity	max. 80 %, non condensing
Default program	7
USB memory stick 2.0	Included
Built-in printer	Included

EMC-ACH 23 / EMC-ACH 29 Autoclaves

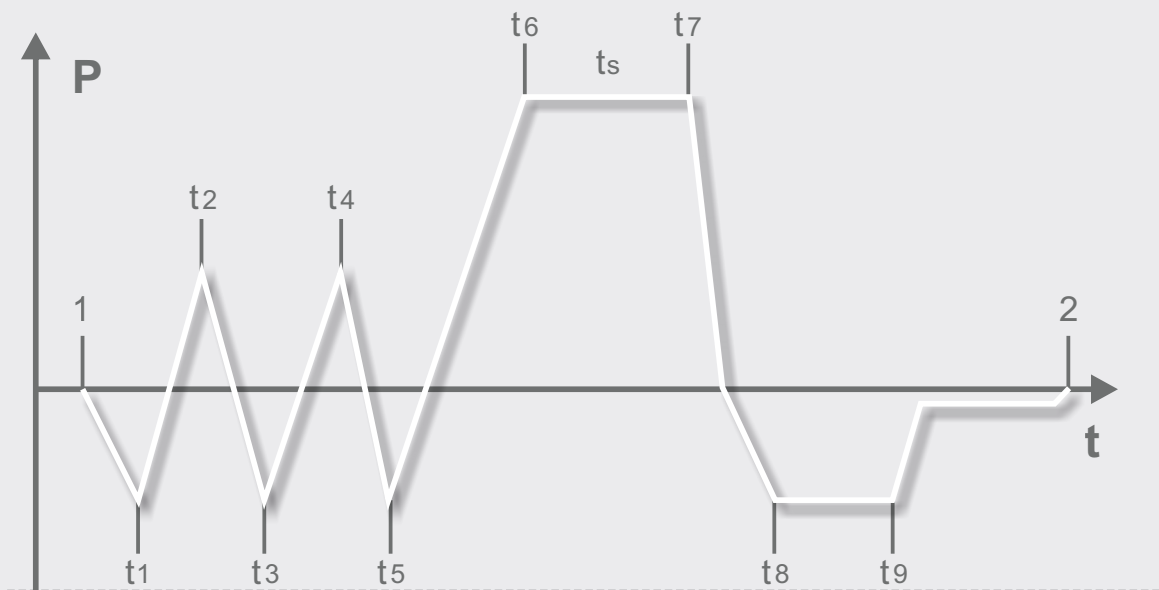
Program	Temperature	Pressure	Holding time min (approx)	Total time min (approx)
Solid	134 °C	210 Kpa	4	25-45
Solid*	121 °C	110 Kpa	20	30-60
Wrapped	134 °C	210 Kpa	4	35-60
Wrapped	121 °C	110 Kpa	20	35-65
Prion	134 °C	210 Kpa	18	50-75
Textile*	134 °C	210 Kpa	8	45-65
Textile*	121 °C	110 Kpa	30	50-75
Liquid (optional)*	134 °C	210 Kpa	10	35-60
Liquid (optional)	121 °C	110 Kpa	30	35-65
B&D test	134 °C	210 Kpa	3.5	28-35
Helix test	134 °C	210 Kpa	3.5	28-35

*not for EMC-ACH 29


EMC-ACH 45 Autoclave

Program	Temperature	Pressure	Holding time min (approx)	Total time min (approx)
Solid	134 °C	210 Kpa	4	40-50
Wrapped	134 °C	210 Kpa	8	55-75
Wrapped	121 °C	110 Kpa	30	60-80
Prion	134 °C	210 Kpa	18	65-85
Liquid	121 °C	110 Kpa	30	80-90
B&D test	134 °C	210 Kpa	3.5	50-60
Helix test	134 °C	210 Kpa	3.5	50-60

Process Curve



UV / VIS Spectrophotometer
 Single Beam
 Double Beam
 NANO



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Liquid Handling
 Bottle Top Dispenser
 Titration Station
 Digital Burette
 Digital Pipettes



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Stirrer
 Inductive Magnetic Stirrer
 Hotplate Stirrer



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