



STEAM STERILIZERS/AUTOClaves



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Iris Analytical Vertical/Top Loading autoclaves/steam sterilizers are designed for applications such as liquids in open or slightly closed vessels, instruments and solids, unwrapped and waste sterilisation.

The steam is generated directly in the chamber. Heating elements are situated under the base of the chamber so there is no contact between them and feed water, ensuring long element lifetime and preventing contamination by spilt waste, broken bottles or similar. The elements are protected from overheating by a temperature limiter.

The vertical/top loading autoclaves are floor standing self-contained sterilizer units that require no plumbing and operate from a standard single-phase power supply. Equipped with an effective air-cooling system for liquid sterilisation. This speeds cooling time by up to 40% compared to standard models.

The Iris Vertical Autoclaves are available from 35 litres to 200 litres chamber capacity. All are built with castor wheels as standard making them easy to move.

The safety system incorporate heat, anti-dry, interlock, pressure protection with quick-open door safety protection, sterile bacterial filter for chamber venting, ensuring longer durability and avoiding contamination by spilled waste, broken bottles.

The Iris Vertical Autoclaves/steam sterilisers are widely used for sterilisation applications in laboratory, hospitals, clinics as well as for industrial sterilisation applications in biotechnology and pharmaceutical industries.

Vertical Autoclave/Steam sterilizers IVA-2000 Series

Vertical Autoclave/Steam sterilizers IVA-2000 Series are floor standing self-contained sterilizer units that require no plumbing and operate from a standard single-phase power supply. Equipped with an effective air-cooling system for liquid sterilisation. This speeds cooling time by up to 40% compared to standard models. The Iris Vertical Autoclaves are available from 60 litres, 85 litres, and 110 litres chamber capacity. All are built with castor wheels as standard making them easy to move. The IVA-2000 is widely used for sterilisation applications in laboratory, hospitals, and clinics as well as for industrial sterilisation applications in biotechnology and pharmaceutical industries. Comes with sterilization cycle including Solid cycle, Liquid cycle, Liquid with warming cycle, Agar cycle, Solid with drying (for WC model), Medical waste cycle, Customized cycle.



- Adopted microcomputer control system
- Real-time pressure changes monitoring
- Comes with Multilayered pressure protection system with automatic interlocking device
- Temperature and pressure: 105 to 138°C, designed pressure: 0.3Mpa
- Provide 6 sterilization cycles for the sterilizing, warming and drying of solids and liquids, the melting and warming of agars
- Provide a real-time safety with mechanical interlocking: the unique 8 column evenly distributed interlocking device and the electric double inner locks enable the control system to monitor the temperature and pressure in the sterilization chamber
- Heavy-gauge sterilization chamber
- CE standard certified
- With Cooling lock OPEN temperature

Model	IVA-2200	IVA-2200C	IVA-2200WC	IVA-2400	IVA-2400C	IVA-2400WC	IVA-2600	IVA-2600C	IVA-2600WC
Capacity	60 L			85 L			110 L		
Chamber Capacity	400x505 mm			400x700 mm			400x895 mm		
Materials	SUS 304								
Sterilization Cycle	Solid cycle, Liquid cycle, Liquid with warming cycle, Agar cycle, Solid with drying (for WC model),Medical waste cycle, Customized cycle								
Temperature Accuracy	0.1°								
Melting Temperature	60 to 100°								
Melting Time	1 to 6000 minutes								
Operating Pressure	0.27Mpa								
Maximum Pressure	0.35Mpa								
Steel Basket	2x(360x200)			2x(360x280)			3x(360x250)		
Sterilization Tem	105-138°								
Sterilization Time Range	1 to 6000 minutes								
Drying Temp	80 to 140°								
Drying Time Range	1 to 300 minutes								
Working Temperature	5 to 45°								
Humidity	10 to 85%								
Certification	-	-	-	-	-	-	-	-	-
Power Consumption	2900 W			4600 W			4600 W		
Dimension	660x644x980 mm	660x831x980 mm		660x644x980 mm	660x831x980 mm		660x644x1180 mm	660x831x1180 mm	
Electrical Requirement	220V,16A, 50/60HZ			220V,32A?50/60HZ			220V,32A?50/60HZ		
Catalogue No.	580450502	580451002	580451502	580452002	580452502	580453002	580453502	580454002	580454502

Vertical Autoclave/Steam sterilizers IVA-1000 Series

Vertical Autoclave/Steam sterilizers IVA-1000 Series are floor standing self-contained sterilizer units that require no plumbing and operate from a standard single-phase power supply. Equipped with an effective air-cooling system for liquid sterilisation. This speeds cooling time by up to 40% compared to standard models. The Iris Vertical Autoclaves are available from 36 litres, 54 litres, 80 litres, and 100 litres chamber capacity. All are built with castor wheels as standard making them easy to move. The IVA-1000 is widely used for sterilisation applications in laboratory, hospitals, and clinics as well as for industrial sterilisation applications in biotechnology and pharmaceutical industries. Comes with sterilization cycle including solid cycle, Liquid cycle, Liquid with warming cycle, Agar cycle, Solid with drying (for D model), Customized cycle.



- Adopted microcomputer control system
- Comes with Multilayered pressure protection system with automatic interlocking device
- Real-time pressure changes monitoring
- Comes with double over pressure protection with safety valve and a pressure protective device
- Unique anti-scald design
- Provide 5 sterilization cycles for sterilization, drying, warming of solid and liquid articles and for melting and warming of agar separately
- Temperature and pressure: 105 to 135°C, designed pressure: 0.3Mpa
- Automatic troubleshooting system
- Provide safety with self-induction pressure interlocking device, lid closing checking, over temperature protection, temperature monitor, dry scorch protection system, over pressure protection, safety valve, over current and short circuit protection, leakage protection device, anti-scald safety protection, automatic troubleshooting

Optional Accessories

1. Stainless steel baskets
2. Printer
3. printing set (pressure sensor + printer)
4. stainless steel pails

Model	IVA-1200	IVA-1200D	IVA-1400	IVA-1400D	IVA-1600	IVA-1600D	IVA-1800	IVA-1800D
Difference	Without Drying	With Drying	Without Drying	With Drying	Without Drying	With Drying	Without Drying	With Drying
Capacity	36 L		54L		80 L		100 L	
Materials	SUS 304							
Sterilization Cycle	Solid cycle, Liquid cycle, Liquid with warming cycle, Agar cycle, Solid with drying (for D model), Customized cycle							
Temperature Accuracy	0.1?							
Melting Temperature	60-100?							
Melting Time	1 to 6000 minutes							
Operating Pressure	0.25Mpa							
Maximum Pressure	0.3Mpa							
Steel Basket	2x(300x200 mm)		3x(300x200 mm)		2x(360x280 mm)		3x(360x220) mm	
Sterilization Temperature	105-135?							
Sterilization Time Range	1 to 6000 minutes							
Drying Temperature	80 to 140?							
Display	LCD							
Drying Time Range	1 to 300 minutes							
Working Temperature	5 to 45?							
Humidity	10 to 85%							
Certification	-	-	-	-	-	-	-	-
Storage	60 cycles, record 1000 process							
Power Consumption	2300 W		2600 W		4600 W		4600 W	
Dimension	460x542x1070 mm		460x542x1070 mm		620x680x1100 mm		620x680x1200 mm	
Net Weight								
Electrical Requirement	220V,16A?50/60HZ				220V,32A?50/60HZ			
Catalogue No.	580400502	580401002	580401502	580402002	580402502	580403002	580403502	580404002

Vertical Autoclave/Steam sterilizers IVA-3000 Series

Vertical Autoclave/Steam sterilizers IVA-3000 Series are floor standing self-contained sterilizer units that require no plumbing and operate from a standard single-phase power supply. Equipped with an effective air-cooling system for liquid sterilisation. This speeds cooling time by up to 40% compared to standard models. The Iris Vertical Autoclaves are available from 35 litres, 50 litres, 75 litres and 100 litres chamber capacity. All are built with castor wheels as standard making them easy to move. The IVA-3000 is widely used for sterilisation applications in laboratory, hospitals, and clinics as well as for industrial sterilisation applications in biotechnology and pharmaceutical industries.



- Designed with touch digital display
- Available chamber capacity: 35 L, 50 L, 75 L, and 100 L
- Designed with hand wheel for lid opening
- Sterilization temperature range: 134°C
- Temperature Accuracy: $\pm 1^{\circ}\text{C}$
- Designed with 2 stainless steel sterilizing baskets
- Fabricated with anti-corrosive stainless steel
- Automatic steam sterilization
- Automatic power off
- Furnished with door safety lock
- Designed with self-inflating seal
- Assure safety with electric safety protection, automatic release safety valve, over-pressure protection, over-temperature, and anti-dry heating protection
- Easy to handle, and consistent
- CE And ECM certified
- Applications: Hospital, lab, clinic, pharmaceutical factory, research

Model	IVA-3135	IVA-3150	IVA-3175	IVA-3100
Capacity	35 L	50 L	75 L	100 L
Sterilizing Chamber Capacity	318×450 mm	340×550 mm	400×600 mm	440×650 mm
Materials	Stainless Steel			
Operating Temperature	134°C			
Temperature Accuracy	$\pm 1^{\circ}\text{C}$			
Operating Pressure	0.22 Mpa			
Maximum Pressure	0.23 Mpa			
Adjustment Of Temperature	105 to 134°C			
Display	Touch Digital Display			
Time Range	0 to 99 minutes			
Certification	CE And ECM			
Power Consumption	2500 W	3500 W	4500 W	4500 W
Dimension	450×450×1010 mm	510×470×1130 mm	560×560×1120 mm	540×560×1250 mm
Net Weight	65 kg	68 kg	80 kg	85 kg
Gross Weight	72 kg	88 kg	100 kg	110 kg
Electrical Requirement	AC220V/ 50Hz			
Catalogue No.	580500502	580501002	580501502	580502002

Vertical Autoclave/Steam sterilizers IVA-4000 Series

Vertical Autoclave/Steam sterilizers IVA-4000 Series are floor standing self-contained sterilizer units that require no plumbing and operate from a standard single-phase power supply. Equipped with an effective air-cooling system for liquid sterilisation. This speeds cooling time by up to 40% compared to standard models. The Iris Vertical Autoclaves are available from 35 litres, 50 litres, 75 litres, 120 litres, and 150 litres chamber capacity. All are built with castor wheels as standard making them easy to move. The IVA-4000 is widely used for sterilisation applications in laboratory, hospitals, and clinics as well as for industrial sterilisation applications in biotechnology and pharmaceutical industries.



- Designed with direct heating by immersed copper tubes of heating elements
- Designed with touch digital display
- Available chamber capacity: 35 L, 50 L, 75 L, 100L, 120L and 150 L
- Designed with hand wheel for lid opening
- Sterilization temperature range: 134°C
- Temperature Accuracy: $\leq \pm 1^{\circ}\text{C}$
- Fabricated with anti-corrosive stainless steel
- Automatic steam sterilization
- Automatic power off
- Furnished with door safety lock
- Designed with self-inflating seal
- Assure safety with electric safety protection, automatic release safety valve, over-pressure protection, over-temperature, and anti-dry heating protection
- Easy to handle, and consistent
- CE And ECM certified
- Applications: Hospital, lab, clinic, pharmaceutical factory, research

Model	IVA-4030	IVA-4050	IVA-4075	IVA-4100	IVA-4120	IVA-4150
Capacity	35 L	50 L	75 L	100 L	120 L	150 L
Sterilizing Chamber Capacity	318×450 mm	340×550 mm	400×600 mm	440×650 mm	480×660 mm	510×740 mm
Materials	Stainless Steel					
Operating Temperature	134°C					
Temperature Accuracy	$\pm 1^{\circ}\text{C}$					
Operating Pressure	0.22 Mpa					
Maximum Pressure	0.23 Mpa					
Adjustment Of Temperature	105°C to 134°C					
Display	Touch Digital Display					
Time Range	0 to 99 minutes					
Certification	CE And ECM					
Power Consumption	2500 W	3000 W	4500 W	4500 W	6000 W	6000 W
Dimension	480×460×850 mm	520×520×980 mm	560×560×980 mm	590×590×1080 mm	600×640×1140 mm	670×690×1130 mm
Net Weight	42 kg	50 kg	70 kg	85 kg	100 kg	110 kg
Gross Weight	56 kg	68 kg	90 kg	105 kg	125 kg	135 kg
Electrical Requirement	AC220V/50Hz					
Catalogue No.	580550502	580551002	580551502	580552002	580552502	580553002

Pulse Vacuum Vertical Autoclave/Steam sterilizers IVA-5000 Series

Pulse Vacuum Vertical Autoclave/Steam sterilizers IVA-5000 Series are floor standing self-contained sterilizer units that require no plumbing and operate from a standard single-phase power supply. Equipped with an effective air-cooling system for liquid sterilisation. This speeds cooling time by up to 40% compared to standard models. The Iris Vertical Autoclaves are available from 35 litres, 50 litres, 75 litres and 100 litres chamber capacity. All are built with castor wheels as standard making them easy to move. The IVA-5000 is widely used for sterilisation applications in laboratory, hospitals, and clinics as well as for industrial sterilisation applications in biotechnology and pharmaceutical industries.



- Designed with touch digital display
- Available chamber capacity: 35 L, 50 L, 75 L, and 100 L
- Designed with hand wheel for lid opening
- Sterilization temperature range: 134°C
- Temperature Accuracy: $\pm 1^\circ\text{C}$
- Designed with 2 stainless steel sterilizing baskets
- Fabricated with anti-corrosive stainless steel
- Automatic steam sterilization
- Automatic power off
- Furnished with door safety lock
- Designed with self-inflating seal
- Assure safety with electric safety protection, automatic release safety valve, over-pressure protection, over-temperature, and anti-dry heating protection
- Easy to handle, and consistent
- CE And ECM certified
- Applications: Hospital, lab, clinic, pharmaceutical factory, research

Model	IVA-5035	IVA-5050	IVA-5075	IVA-5100
Capacity	35 L	50 L	75 L	100 L
Sterilizing Chamber Capacity	318×450 mm	340×550 mm	400×600 mm	440×650 mm
Materials	Stainless Steel			
Operating Temperature	134°C			
Temperature Accuracy	$\pm 1^\circ\text{C}$			
Operating Pressure	0.22 Mpa			
Maximum Pressure	0.23 Mpa			
Adjustment Of Temperature	0 to 134°C			
Display	Touch Digital Displa			
Time Range	1 to 99 minutes			
Certification	CE And ECM			
Power Consumption	2500 W	3500 W	4500 W	4500 W
Dimension	600×410×1030 mm	650×410×1140 mm	690×470×1140 mm	730×510×1270 mm
Net Weight	77 kg	83 kg	98 kg	110 kg
Gross Weight	96 kg	102 kg	120 kg	135 kg
Electrical Requirement	AC220V/50Hz			
Catalogue No.	580600502	580601002	580601502	580602002

Touch Screen Pulse Vacuum Vertical Autoclave/Steam sterilizers IVA-6000

Touch Screen Pulse Vacuum Vertical Autoclave/Steam sterilizers IVA-6000 designed with elevating type door, which is more convenient to place and fetch the objects from the autoclave. Build in 7-inch capacitive touch screen, fully automatically controlled, easy to operate. The whole procedure from water inlet, pulse vacuum, heat, sterilizing, water outlet, exhausting to vacuum drying, which are all automatically by one-key operation. are floor standing self-contained sterilizer units that require no plumbing and operate from a standard single-phase power supply. Equipped with an effective air-cooling system for liquid sterilisation. This speeds cooling time by up to 40% compared to standard models. The Iris Vertical Autoclaves are available from 60 litres, 80 litres, 100 litres and 120 litres chamber capacity. All are built with castor wheels as standard making them easy to move. The IVA-6000 is widely used for sterilisation applications in laboratory, hospitals, and clinics as well as for industrial sterilisation applications in biotechnology and pharmaceutical industries.



- With 7-inch touch screen display, fully automatically controlled, easy to operate on
- Automatic water inlet, pulse vacuum, heat, sterilizing, water outlet, exhausting to vacuum drying, operation
- Pulse vacuum pressure 0.080Mpa ensuring accurate sterilizing
- With separated steam generator, which is more energy saving by comparing to the normal heating and prevent the sterilizing objects from been oxidized
- With various programs loaded in the autoclaves for different requirement of different objects
- With PT-TT testing port, easy to run the testing
- Steam-water inner circulation system: no steam discharge, and the environment for sterilizing will be clean and dry

Model	IVA-6020		IVA-6040		IVA -6060		IVA-6080	
Chamber volume	60L		80L		100L		120L	
Chamber size	396×490 mm		396×650 mm		504×404×502 mm		504×404×590 mm	
The height after rising	1310 mm		1590 mm		1475 mm		1565mm	
Working pressure	0.22MPa							
Working temperature	134?							
Heat average	?±1?							
Timer	0 to 99 minutes							
Temp. Adjustment	105 to 134?							
Power	Steam generator 3.0KW; Drying 2.4 KW				Steam generator 3.6KW; Drying 2.4 KW			
Overall Dimensions	686x556x913 mm		686x556x1035 mm		840x600x970 mm		840x600x1060 mm	
Shipping Dimensions	786x656x1013 mm		786x656x1135 mm		940x610x1000 mm		940x610x1075 mm	
Net Weight	180 Kg		200 Kg		270 Kg		295 Kg	
Gross Weight	210 Kg		230 Kg		300 Kg		325 Kg	
Electrical Requirements	110V/60Hz	220V/50Hz	110V/60Hz	220V/50Hz	110V/60Hz	220V/50Hz	110V/60Hz	220V/50Hz
Catalogue No.	580650501	580650502	580651001	580651002	580651501	580651502	580652001	580652002

