IRIS ANALYTICAL





STEAM STERILIZERS/AUTOCLAVES

cs@irisanalytical.com +1 706 760 4500 www.irisanalytical.com

All Iris autoclaves have been newly developed and designed and represent state-of-the-art engineering. All mechanical and electronic components guarantee enhanced sterilisation processes, hence enabling the lab to fulfil all appropriate requirements for today and for the future. Iris horizontal frontloading autoclaves are widely used in various sterilisation application in medical, industrial, research, and education.

The pressure vessel is made of corrosion-resistant stainless steel and is thus easy to clean. The autoclave support framework and housing are also made of stainless steel. Most of these sterilizer units are outfitted with rectangular or circular horizontal pressure vessels.

Integral steam generator in the chamber helps to improve cycle times by increasing the efficiency of steam production and also includes automatic water filling as standard, removing the requirement of manually filling the machine with water between sterilization cycles (a mains water supply is therefore required for this option). Advanced vacuum option is essential for porous type loads (e.g. wrapped instruments and fabrics) or other cycles where air pockets could easily become trapped within the load.

Horizontal Autoclave/Steam Sterilizer IHA-2000 Series

Horizontal Autoclave/Steam Sterilizer IHA-2000 Series basic 180 L, and 280 L horizontal autoclave suitable for sterilizing heavy load and instruments for medical and laboratory use. The IHA-2000 comes with pressure safety interlock device, safety valve, over current and short circuit protection, automatic fault detection, dry burn protection, water level detection, over temperature protection, leakage protection. The benefits of product diversity and flexible options to make the right match and perfect fit for your customer needs The machine has maximum sterilization pressure of 105 and 135°C with overload pressure protection. Provide 6 different exhaust steam speeds can be selected according to the material to be destroyed. Offer large volume water tank, set drainage temperature and the temperature of the sterilizing water. Built-in efficient steam generator, microcomputer temperature control, especially designed for bulk volume and highest flexibility in processing requirement.



- Provide safety through automatic uniform column lock device system
- Automatic water level detection
- For pure water pipeline user
- Excellent power control management
- Automatic shutdown in emergency
- With mechanical safety valve and electronic overpressure protection system
- With power off alarm system
- With automatic error detection
- Real-time temperature for sterilization
- Come with 5 types authorities management system and multiple monitoring system
- Provide rapid and cooling and Pulsating pre-vacuum vacuum drying
- Support PLC control system
- With 6 different exhaust steam system
- Function including automatic control of water intake, heating and anti-dry burning, anti-overpressure protection and other functions

Model	IHA-2400	IHA-2600
Capacity	180L	280L
Sterilizing Chamber Size	500x1000 mm	600x1000 mm
Materials	S30408	
Sterilizing Working Temperature	105 to 135 ?	
Pressure gauge display range	-0.1 to 0.5MPa	
Safety valve take-off pressure	0.29 MPa	
Sterilization Time	1 to 6000 minutes	
Drying Time	0 to 300 minutes	
Pulsation Times	1 to 99 times	
Display	LCD	
Vacuum	?-93kpa	
Installation device	Pressure safety interlock device, safety valve, over current and short circuit protection, automatic fault detection, dry burn protection, water level detection, over temperature protection, leakage protection	
Annex	2 stainless steel braided baskets (with casters at the bottom), shelf	
Options	Item thermometer, printer, item thermometer, water source pressure sensor (optional), trolley	
H upgrade type (optional)	Upgrade stainless steel to S316L PLC industrial control system to Siemens industrial control system	
Control	PLC industrial control system	
Function Mode	Fabric mode Instrument mode Liquid mode BD experiment mode Vacuum test mode Custom program mode	
Certification	-	-
Power Consumption	1600 W	
Dimension	800x1450x1500 mm	800x1450x1500 mm
Net Weight	650 kg	720 kg
Electrical Requirement	-	-
Catalogue No.	5807505-04	5807510-04

Steam Sterilisers/Autoclave IHA-1060

Steam Sterilisers/Autoclave IHA-1060 basic 60 L horizontal autoclave suitable for sterilizing heavy load and instruments for medical and laboratory use. The IHA-1060 comes with external steam generator that can evaporate water quickly, and the saturated vapor is injected into the chamber as a sterilizing media, thus providing protection from contamination. The benefits of product diversity and flexible options to make the right match and perfect fit for your customer needs. The machine has maximum sterilization pressure of 121 and 135°C with overload pressure protection. Provide 5 types of cycle program with optimum sterilization parameters are embedded in the controls of sterilizer, thus the operator can select a proper cycle conveniently for sterilizing. Built-in efficient steam generator, microcomputer temperature control, especially designed for bulk volume and highest flexibility in processing requirement.



- Door safety pressure lock
- Sterilization temperature of 121 and 135°C
- Pressure overload protection
- With 60 litre water tank capacity
- Build in LED display
- Provide 5 types of cycle program with optimum sterilization parameters are embedded in the controls of sterilizer, thus the operator can select a proper cycle conveniently for sterilizing
- Easy to operate, safe and reliable
- Available external printer as optional accessories

Model	IHA-1060
Chamber Capacity	60 L
Sterilizing Chamber Capacity	340x723 mm
Materials	316L
Operating Temperature	121 to 135?
Maximum Temperature	138.0? /Test pressure : 5.13bar
Temperature Accuracy	
Minimum Pressure	1.00bar
Maximum Pressure	2.40bar
Sterilizing Agent	Saturated vapour of max. 2.10bar pressure
Display	LED
Air Removal	Vacuum Pump (Diaphragm type)
Control	Microprocessor
Working Temperature	+5? to +40?
Humidity	80%
Certification	-
Power Consumption	2,950 W
Dimension	238x117x233 mm
Net Weight	140 kg
Electrical Requirement	AC 230V, 50/60Hz
Catalogue No.	580700502

Touch Screen Horizontal Autoclave/Steam Sterilizer IHA-3000 Series

Touch Screen Horizontal Autoclave/Steam Sterilizer IHA-3000 Series basic 50L, 60L, 80L, 100L, 140L, 160L, 180Lhorizontal autoclave suitable for sterilizing heavy load and instruments for medical and laboratory use. The IHA-3000 comes with PLC automatic microprocessor controller, LCD touch screen display. The benefits of product diversity and flexible options to make the right match and perfect fit for your customer needs The machine has maximum sterilization pressure of 105 and 138°C with overload pressure protection. Built-in micro-printer, record the whole sterilization information and alarm system. Built-in efficient steam generator, microcomputer temperature control, especially designed for bulk volume and highest flexibility in processing requirement.



- PLC fully automatic microprocessor controller, LCD touch screen display.
- Water injection, heating up, sterilizing, drying process are fully automatic
- Status, temperature, pressure, time and fault message are shown on touch screen display.
- Built-in micro-printer, record the whole sterilization information.
- Cycle count function
- Perfect fault alarm system designed, fault messages shown on touch screen.
- The beep will sound once the sterilization cycle completes and messages shown on screen touch display
- Inner circulation, water ring pump without external pipeline

Model	IHA-3050	IHA-3060	IHA-3080	IHA-3100	IHA-3140	IHA-3160	IHA-3180
Capacity	50L	60L	80L	100L	140L	160L	180L
Chamber Size	340×580 mm	340×680 mm	370×755 mm	500×665 mm	500×765 mm	500×865 mm	500×965 mm
Materials	SUS304						
Maximum Tem	150?						
Maximum Pressure	0.26MPa						
Operating Pressure	0.23MPa						
Sterilization Tem	Adjustable 105 to 138?						
Temperature Accuracy	0.1?						
Display	LCD						
Certification							
Power Consumption	3000 W	3000 W	4000 W	6700 W	6700 W	7100 W	7100 W
Dimension	780×480×1450	780×480×1450	870×540×1450	780×650×1550	880×650×1550	910×650×1550	1080×650×1550
Net Weight	150 kg	165 kg	185 kg	247 kg	270 kg	285 kg	310 kg
Electrical Requirement	220 V				380 V		
Catalogue No.	580800502	580801002	580801502	580802002	580802502	580803002	580803502

Horizontal Autoclave/Steam Sterilizer IHA-4000 Series

Horizontal Autoclave/Steam Sterilizer IHA-4000 Seriesbasic 150L, 200L, 280L horizontal autoclave suitable for sterilizing heavy load and instruments for medical and laboratory use. The IHA-4000 used to sterilize Unwrapped or Wrapped instruments, Surgical instruments, Glassware, Liquid , Culture Media, Rubber Material, Gowns, Dressing, Gloves, etc. The benefits of product diversity and flexible options to make the right match and perfect fit for your customer needs The machine has maximum sterilization pressure of 134°C with overload pressure protection. Built-in efficient steam generator, microcomputer temperature control, especially designed for bulk volume and highest flexibility in processing requirement.



- Microprocessor control, water injection, heating, sterilizing, drying process are fully automatic.
- With over-temperature, over-pressure auto-protect device.
- The door opening mechanism cannot be operated until the pressure in the chamber is reduced to 0.027 Mpa. It can't be start on if the door doesn't close well.
- The safety valve will be open automatically when the inner pressure over 0.24 MPa, the steam will be exhausted to the water link.
- The power will be cut-off automatically, cut-off the water and alarm when the machine lacking water.
- The whole chamber is made of stainless steel 304.
- Drying function, printer, water tank, steam generator, glass tube water level observation
- Available with different sterilization accessories such as unwrapped/ wrapped instruments, surgical instruments, glassware, liquid, culture media, rubber material, gowns, dressing, gloves, etc.
- Pulsating vacuum autoclave comes as an optional configuration
- CSSD/ Pharmaceutical factory/ Lab/ Operation room/ Research institutions/ Industrial sterilization
- PLC controller
- Provide protection such as Heater protection, Anti-dry heating, interlock door, Over-temperature protection, Over-pressure protection, Automatic release safety valve and Electric safety protective device

Model	IHA-4100	IHA-4200	IHA-4300
Capacity	150L	200L	280L
Chamber Size	440×1000 mm	515×1000 mm	600×1000 mm
Materials	304L		
Working Temperature	134°C		
Working Pressure	0.22 Mpa		
Temperature Adjustment	40 to 134°C		
Sterilization Time Range	0 to 99 min		
Drying Time Range	0 to 99 min		
Display	LCD		
Controller	PLC control		
Certification			
Power Consumption	9000 W	9000 W	12000 W
Dimension	1400×650×1600 mm	1400×750×1700 mm	1520×910×1900 mm
Packing Dimension	1560×820×1820 mm	1560×910×1880 mm	1680×1080×2100 mm
Net Weight	340 kg	350 kg	462 kg
Gross Weight	430 kg	436 kg	570 kg
Electrical Requirement	220V 50HZ		380V 50HZ
Catalogue No.	580850502	580851002	580851502

Digital Autoclave/Steam Sterilizer IHA-5000 Series

Digital Autoclave/Steam Sterilizer IHA-5000 Series basic 150L, 200L, 280L horizontal autoclave suitable for sterilizing heavy load and instruments for medical and laboratory use. The IHA-5000 comes with drying function, suitable dressing drying and features with automatic safety valve with inner pressure over 0.24 MPa and the steam exhausting to the water link. The machine has maximum sterilization pressure of 134°C with overload pressure protection. Built-in efficient steam generator, microcomputer temperature control, especially designed for bulk volume and highest flexibility in processing requirement.



- Fully automatic controlled, easy to operate.
- With drying function, suitable dressing drying.
- With over-temperature, over-pressure auto-protect device.
- The door opening mechanism cannot be operated until the pressure in the chamber is reduced to 0.027 Mpa.
- It can't be start on if the door doesn't close well.
- The safety valve will be open automatically when the inner pressure over 0.24 MPa and the steam be
- exhausting to the water link.
- The power will be cut-off automatically, cut-off the water and alarm when the machine lacking water
- Fully stainless steel
- With printer
- Provide protection such as Heater protection, Anti-dry heating, interlock door, Over-temperature protection, Over-pressure protection, Automatic release safety valve and Electric safety protective device

Model	IHA-5100	IHA-5200	IHA-5300
Capacity	150L	200L	280L
Chamber Size	440×1000 mm	515×1000 mm	600×1000 mm
Materials	stainless steel		
Working Temperature	0.22 Mpa		
Working Pressure	134°C		
Temperature Adjustment	40°C - 134°C		
Sterilization Time Range	0-99 min		
Drying Time Range	0-99 min		
Heat Average	? ±1°C		
Display	Digital Display		
Certification			
Power Consumption	9KW	9KW	12KW
Dimension	1400×650×1600 mm	1400×750×1700 mm	1520×910×1900 mm
Packing Dimension	1560×820×1820 mm	1560×910×1880 mm	1680×1080×2100 mm
Net Weight	340 kg	350 kg	462 kg
Gross Weight	430 kg	436 kg	570 kg
Electrical Requirement	220V 50HZ		380V 50HZ
Catalogue No.	580900502	580901002	580901502

Pulse Vacuum Large Horizontal Autoclave/Steam Sterilizer IHA-6000 Series



Pulse Vacuum Large Horizontal Autoclave/Steam Sterilizer IHA-6000 Series basic 250L, 360L, 600L horizontal autoclave suitable for sterilizing heavy load and instruments for medical and laboratory use. The IHA-6000 comes with door sealing including pneumatic sealing both doors interlocking are strictly in accordance with the GSSD required. The machine has maximum sterilization pressure of 105 to 134°C with overload pressure protection. Adopt piping system with the reliable pneumatic angle type valve, water ring pump and 0.22μm high efficiency sterile medical grade filters, the pipe clamp adopts the quick connectors, related spares are all according to the sanitation standard. Built-in efficient steam generator, microcomputer temperature control, especially designed for bulk volume and highest flexibility in processing requirement.

- Large Steam Sterilizer-Automatic Control Protocol’
- Safety and Technology Specification for Fixed Monitor Vessels
- Tank of the horizontal rectangular double-deck structure
- SUS304 or 316 constructing materials
- Provide door sealing and pneumatic sealing, interlocking
- Vacuum steam sterilier has standard GMP authentication interface
- Adopt the Siemens PLC and Siemens touch screen control system
- Adopt pneumatic angle type valve, water ring pump pining system and 0.22μm high efficiency sterile medical grade filters

Model	IHA-6100	IHA-6200	IHA-6300
Capacity	250L	360L	600L
Chamber Size	800x600x600 mm	1000x600x600 mm	1200x610x910 mm
Materials	SUS304 or 316L		
Maximum Pressure	0.25 Mpa		
Maximum Temperature	139 ?		
Working Temperature	105 to 134?		
Working Pressure	0.225 Mpa		
Vacuum Rate	-0.09 Mpa		
Water Source Pressure	0.15 to 0.3 Mpa		
Seam Pressure	0.3 to 0.7 Mpa		
Compress Air Pressure	0.3 to 0.7 Mpa		
Temperature Equilibrium	?±1?		
Steam Consumption	18 kg	25 kg	30 kg
Water Consumption	35 kg	40 kg	45 kg
Display			
Controller	PLC and HMI automatic program Control system		
Certification			
Power Consumption	2+24 KW	2+24 KW	3+36 KW
Dimension	1100x1350x1900 mm	1300x1350x1900 mm	1500x1360x1950 mm
Net Weight	900kg	1000kg	1400kg
Electrical Requirement	AC 380V (±10%)50Hz Three-phase and five-wire system		
Catalogue No.	580950503	580951003	580951503

Programmable Horizontal Autoclave/Steam Sterilizer IHA-7000 Series

Programmable Horizontal Autoclave/Steam Sterilizer IHA-7000 Series basic 196L horizontal autoclave suitable for sterilizing heavy load and instruments for medical and laboratory use. The IHA-7000 comes with steam source pressure: 2.10 to 5 bar, Flow Rate: max. 50 l/min with External Steam Generator: Saturated Steam of 97% Dryness, and water source pressure: 3.5 to 5 bar. The machine has maximum sterilization pressure of 121 to 134°C with overload pressure protection. Built-in efficient steam generator, microcomputer temperature control, especially designed for bulk volume and highest flexibility in processing requirement.



Ergonomic Design for Maximizing Operator's Safety and Convenience

- Convenient to operate and control the sterilizer touching the graphic designed button
- Monitor the cycle progressing in real time on the large color touch screen
- Movable door without any physical force by adopting the automatic vertical sliding system
- Safe and convenient than the hinged door type.

Cycle Program and Self-Diagnosis Function

- 5 kinds of basic cycle program and 2 kinds of test cycle program(vacuum leak test and air removal performance test)
- User can select a proper cycle program conveniently for sterilizing
- Sterilizing materials are textile, metal device or instruments, liquid contained in the bottle, packaging type (wrapped or unwrapped) and air removal method(pre-vacuum or gravity).
- Audible alarm

Cycle Execution Data Storing and Ubiquitous Function

- Kept on the Flash memory of the control unit
- Operator can examine and check the results of a cycle performed in the past by input the date performed or cycle count number on the touch screen, and print out the record
- Built-in panel printer as an optional accessories
- LAN, DB Server

Model	IHA-7100	
Capacity	196 L	
Chamber Size	500X1000 mm	
Materials	316L	
Working Temperature	121 to 135.0?	
Air Removal	Vacuum / Gravity	
Stream Source	External Steam Generator: Saturated Steam of 97% Dryness, Pressure: 3.5 to 5.0 bar, Built-in Steam Generator: Heater 12?	
Water Source	Pressure: 2.10 to 5.00bar, Flow Rate: max. 50 l/min	
Vacuum System	Water Ejector, Water Pump / Optional: Watering Vacuum Pump	
Display	LCD	
Controller	Microprocessor	
Certification		
Working Temperature	+5? to +40?	
Humidity	80%	
Printer	Direct Thermal Printing, Printing paper roll: 58x40 mm	
Power Consumption		
Dimension	872x352x742 mm	
Net Weight	479 ?	
Electrical Requirement (In case of using Built-in Steam Generator)	AC 220V, 3ph, 3wire, 50/60Hz, 32A AC 380V, 3ph, 4wire, 50/60Hz, 20A	
Electrical Requirement(In case of using External Steam)	AC 220V 50/60Hz, 5A	
Catalogue No.	5801000502	5801000503

Single/Double Door Horizontal Autoclave/Steam Sterilizer IHA-8000 Series

Single/Double Door Horizontal Autoclave/Steam Sterilizer IHA-8000 Series basic 250L horizontal autoclave suitable for sterilizing heavy load and instruments for medical and laboratory use. The IHA-8000 comes with steam source including saturated steam of 97% Dryness, pressure: 3.50 to 5.00bar, and water source pressure: 2.10 to 5 bar. The machine has maximum sterilization pressure of 121 to 134°C with overload pressure protection. Built-in efficient steam generator, microcomputer temperature control, especially designed for bulk volume and highest flexibility in processing requirement.



Ergonomic Design for Maximizing Operator's Safety and Convenience

- Convenient to operate and control the sterilizer touching the graphic designed button
- Monitor the cycle progressing in real time on the large color touch screen
- Movable door without any physical force by adopting the automatic vertical sliding system
- Safe and convenient than the hinged door type.

Cycle Program and Self-Diagnosis Function

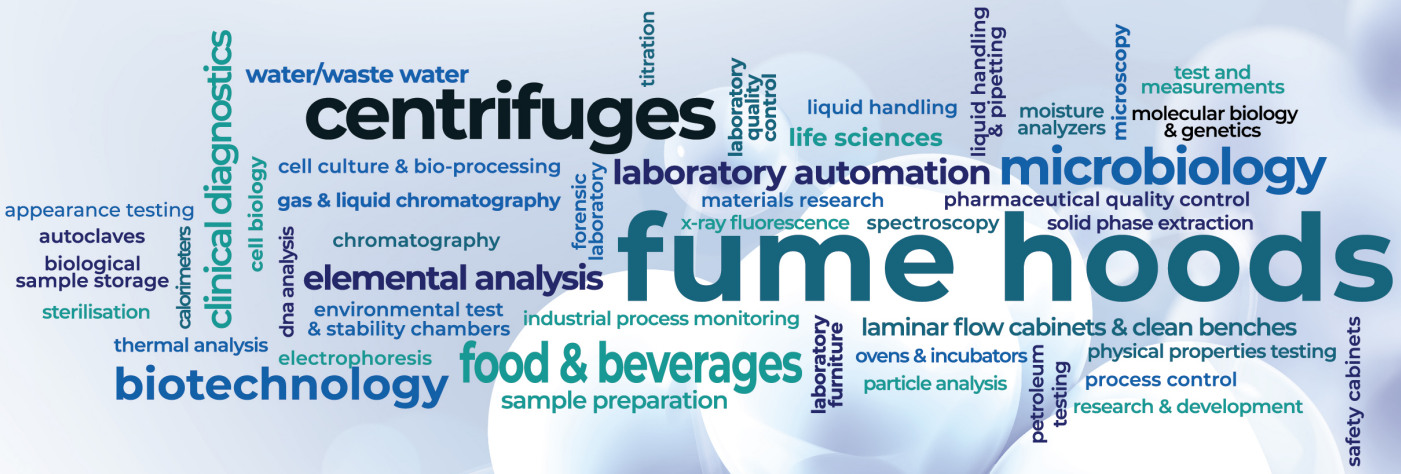
- 5 kinds of basic cycle program and 2 kinds of test cycle program(vacuum leak test and air removal performance test)
- User can select a proper cycle program conveniently for sterilizing
- Sterilizing materials are textile, metal device or instruments, liquid contained in the bottle, packaging type (wrapped or unwrapped) and air removal method(pre-vacuum or gravity).
- Audible alarm

Cycle Execution Data Storing and Ubiquitous Function

- Kept on the Flash memory of the control unit
- Operator can examine and check the results of a cycle performed in the past by input the date performed or cycle count number on the touch screen, and print out the record
- Built-in panel printer as an optional accessories
- LAN, DB Server

Model	IHA-8200S		IHA-8200D	
Type	Single Door type		Double Door type	
Capacity	250L			
Chamber Size	500x000x500 mm			
Materials	316L			
Working Temperature	121 to 135.0?			
Air Removal	Vacuum / Gravity			
Stream Source	Saturated Steam of 97% Dryness, Pressure: 3.50 to 5.00bar, Flow Rate: max. 50?/hr			
Water Source	Pressure: 2.10 to 5.00bar, Flow Rate: max. 50 l/min			
Vacuum System	Water Ejector, Water Pump / Optional: Watering Vacuum Pump			
Display	LCD			
Controller	Microprocessor			
Certification				
Working Temperature	+5? to +40?			
Humidity	80%			
Printer	Direct Thermal Printing, Printing Paper Roll; 58 x 40mm			
Power Consumption				
Dimension	872x300x801 mm		872x350x803 mm	
Net Weight	710 ?, Loading Car: 28 ?		860 ?, Loading Car: 28 ?	
Electrical Requirement (In case of using Built-in Steam Generator)	AC 230V, 3phase 3wire, 50/60?, 55A or AC 380V, 3phase 4wire, 50/60?, 32A			
Electrical Requirement(In case of using External Steam)	AC 230V, 50/60?, 5A	AC 380V, 3phase 4wire, 50/60?, 32A	AC 230V, 50/60?, 5A	AC 380V, 3phase 4wire, 50/60?, 32A
Catalogue No.	5801050502	5801050503	5801051002	5801051003

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IRIS Analytical Inc.

cs@irisanalytical.com +1 706 760 4500 www.irisanalytical.com