

 **ES-AUB** SERIE

## **B series - Vacuum Steam Autoclave**



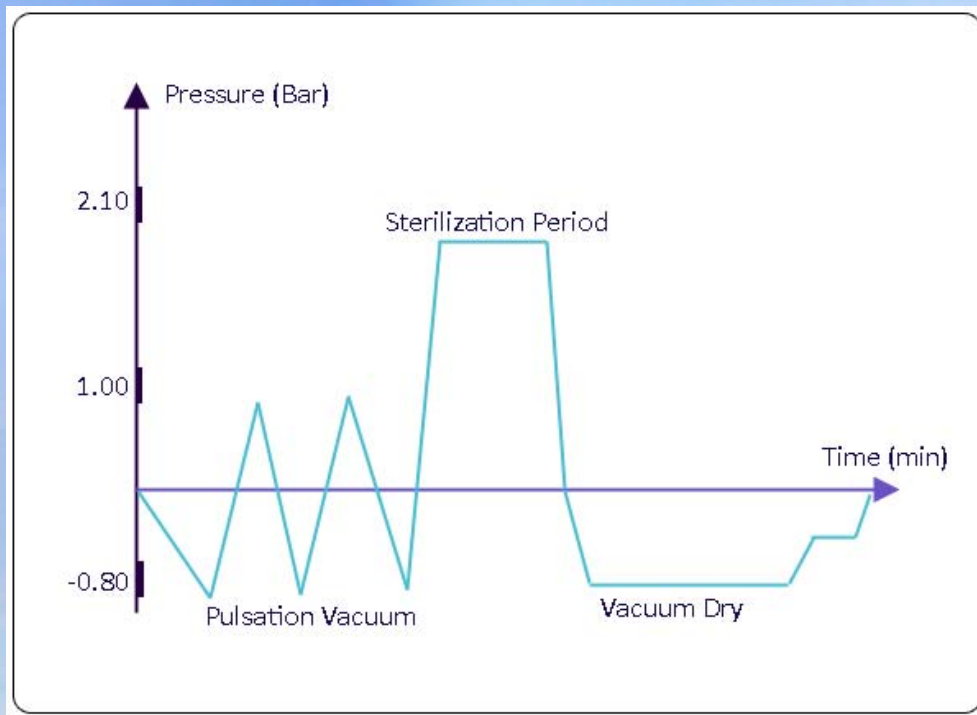
*10 Programs + 2 Test Program ( Vacuum test & Helix BD test )*

- \* Automatic and safety door lock system
- \* LCD display
- \* Steam compensation techniques
- \* Dual head vacuum pump
- \* Built-in thermal printer



Char

- \* LCD display, total 10 programs, automatically feeding water and draining water system, easy to operate
- \* Fully automatic operation, check and monitor by computer
- \* Built-in printer, note the sterilization process in details
- \* Automatic safety door lock system
- \* Evaluation system of sterilization process
- \* With 3 times pulsation vacuum, can be up to -0.7bar
- \* Multilanguage program ( including English , Germany , Italian and French )
  
- \* 3 time pulsation pre-vacuum up to -0.85bar, evacuate the air completely with full vacuum condition. The steam can pass through all the fabrics, hollow equipment and package materials, which is great essential.
- \* Pulsation vacuum drying system equipped with Dual tandem vacuum pump, to make sure humidity is lower than 0.2% after vacuum drying
- \* Separate steam generator make the equipment safe and sterilizing process faster
- \* The program adopts modularized design with ARM 7 CPU processor for industrial level. The built-in operation system provide USB port (option) for advanced function such as reading, writing and external printer. The whole system is stable and reliable
- \* Combined with steam compensation sterilization technique, enables the sterilizing temperature reach 134°C
- \* Program preset menu with LCD display, all the process can be controlled by the screen operation
- \* 8 programs for different materials, plus 2 test programs, 1 sanguinary program
- \* Auto door open and close system
- \* Auto operation and inspection program and auto sterilizing effect evaluation system
- \* With the steam generation unit, distilled water can be automatically changed to high saturated steam, and at the same time, injected into sterilization chamber.
- \* The new type of steam generator, fully intelligent computer-controlled, ensure the steam more stable and saturation



**Option:**

Digital USB connection for sterilizing record

Give you more details of the result

**Built-in Printer**

Standard	Printing		
Model	B+		
Courter	000003		
Program	134C		
TEXTILE			
Temp	134 °C		
Pressure	2.10 Bar		
Sterilize time	4 min		
CYCLE START 04/06/09 15:50			
Time	C	Bar	
-----			
00:00	CS	055.1	+0.00
02:47	1PV	057.2	-0.80
07:11	1PP	116.3	+1.00
10:05	2PV	087.0	-0.80
14:18	2PP	120.7	+1.00
17:25	3PV	097.1	-0.81
26:08	ET	135.0	+2.11
26:09	SS	135.1	+2.11

**External Printer**

Standard	Printing				
Model	B+				
Courter	000002				
Program	134C				
TEXTILE					
Temp	134 °C				
Pressure	2.10 Bar				
Sterilize time	4 min				
CYCLE START 04/06/09 14:44					
Time	T1	P	T2	T3	
-----					
00:00	CS	034.5	+0.00	067.0	040.7
00:31		031.2	-0.39	066.1	041.3
01:01		030.7	-0.58	059.5	042.9
01:32		030.9	-0.69	074.6	044.6
02:03		031.4	-0.75	089.0	047.7
02:34		032.2	-0.79	101.3	051.1
03:04		046.1	-0.64	098.9	054.3
03:35		064.2	-0.51	094.0	062.3
04:06		074.2	-0.38	093.8	070.8

Various programs meet your different requirements:

Program	Temp °C	Pressure	Sterilizing Time	Vacuum Dry	Total Time(min)	Sterilizing Products
Porous	134	2.1	4	yes	35-48	Wrapped hollow instruments, porous materials
Hollow	134	2.1	4	yes	30-42	Un wrapped hollow instruments
Prion	134	2.1	18	yes	50-60	Wrapped hollow instruments, porous materials
Solid	134	2.1	4	yes	25-35	Unwrapped solid instruments
Porous	121	1.1	20	yes	45-55	Wrapped hollow instruments, Porous materials
Hollow	121	1.1	20	yes	40-50	Unwrapped hollow instruments
Solid	121	1.1	20	yes	35-48	Unwrapped solid instruments
Quick	134	2.1	4	yes	20-25	Unwrapped hollow instruments

Independent test program let you know the machine in the optimal condition at any time

Program	Temp (°C)	Pressure (Bar)	Sterilizing time	Pre-Vacuum time	Vacuum Dry	Total time (min)
Vacuum test	/	-0.8	/	/	/	8
Helix/BD test	134	2.1	18	3	10	58

### Specification:

	ES-AU-14B	ES-AU-17B	ES-AU-23B
Chamber Dimension (cm) (∅ x D)	25 x 28	25 x 35	25 x 49
Chamber Capacity ( Liter)	14L	17L	23L
Overall Size (cm)	48 x 48 x 42	48 x 53 x 42	48 x 69 x 42
Heater	1200W	1300W	1600W
Net Weight (KGS)	37	41	50
Gross Weight (KGS)	45	50	60
Packing Size (CM)	68 x 60 x 50	73 x 60 x 50	87 x 60 x 50
Minimum Table Size (CM)	48 x 35	48 x 40	48 x 50
Power Supply	230V, 50/60 HZ		
Sterilize Temperature	121°C / 134°C		
Sterilize Time	Refer to the different programs		
Dry Procedure	Vacuum Drying		
Sterilizer Construction	Stainless steel SUS#304		
Water tank	internal		
Stainless steel instrument container	3 trays		



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