

Technical Data Sheet

Pulse Vacuum Steam Sterilizer

Model: ICLAVE-140SD-A



The picture is for reference only, which shall not be taken as standard for machine acceptance. For details, it is subject to technical description.

1 Technical data

The system has **32 built-in preset programs**, more than 10 kinds of program stage can be flexibly configured according to the needs to meet the requirements of different sterilization process.

Name	Ster. Temp.	Ster. Time	Dry time	Applicable items type
Warm up	134°C	0min	3min	Empty loading, for preheat the device
B&D test	134°C	3.5min	4min	B&d test package or a device
Fabric	134°C	5min	10min	Fabric package, weight ≤7.5kg/pack
Instrument	134°C	5min	15min	Conventional instrument box or basket loading, weight≤ 7.5kg/pack
Thermolabile	121℃	20min	15min	Items can't bear 134°C, weight ≤ 7.5kg/pack
Flash	134°C	4min	1min	Unwrapped instruments
Orthopedics	134°C	6min	15min+10min	Orthopedics instruments, weight ≤14kg/pack
Leak test				Empty loading, leak rate ≤ 0.13kpa/min
Prion	134°C	30min	15min	Special items such as prions
Optical	134℃	7min	15min+5min	Inner diameter ≥ 2mm, length ≤ 1500 times inner diameter from the opening side to end
Heavy load	134°C	6min	15min+10min	Heavy loading items
Small load	134°C	5min	8min	loading capacity < one standard sterilization unit, weight ≤7.5kg/pack
Open liquid	121°C	30min		Unsealed bottled liquid, volume ≤ 500ml / bottle
Gravity	121℃	20min		Gravity steam discharge, non-vacuum

1. Sterilizing program

		Positive	134°C	7	min	10mii	า	Items needs positive pressure replacement and vacuum drying		
2.	Designed pressure				-0.1~0.3 MPa					
3.	Rated working pressure				0.25 MPa					
4.	Vacuum low limit				-0.09 MPa					
5.	Vacuum pulses counts				0~99 Times					
6.	. Designed temperature				150℃					
7.	Rated working temperature				134°C					
8.	Maximum working temperature				139℃					
9.	Chamber structure				Rectangular					
10.	Chamber dimension (W*H*D)					120×830m				
11.		nsion (W*H*D)				1680×110	00mm	l .		
12.	Weight			525Kg						
13.	Installation f	orm				ation on t				
14.	Door openin	g method			Hange	ed door w	ith m	otor driving		
15.	Quantity of o	doors			Double	e doors				
16.	Door opening direction			Up and down						
17.	Door sealing method			By con	npressed	air wi	th a door gasket sealing			
18.	Controller ar	ntroller and screen			Front	side 8" in	ch col	or touch screen, 5 level authorization user		
19.	Pure water a	and water consumption 0		0.3	0.3~0.5MPa 1			t be pure water,0.03m³/cycle		
20.	Tap water an	and water consumption 0		0.1	15~0.3 MPa Soft water, 0.4m³/cycle			water, 0.4m³/cycle		
21.	Cleaned com	,		0.4	4~0.7 MPa Oil free & water free					
22	Dayyar ayaal	Dr Dr			riving power: AC 380 V ± 10% 3 phases 50 Hz					
22.	Power suppl	У		Cor	ontrol power: AC 220V ± 10% single phase 50Hz					
23.				nalogue pressure gauge for chamber and jacket on the front panel						
24.				gital Temperature Display on the front panel (touch screen)						
25.	Built-in stear	n generator		24	kW, working pressure: 0.3MPa					
26.	Fittings on b	Saf			afety valve, Analogue pressure gauge, Water level gauge, water level ectric cut out, Automatic air ventilate, Control Switch					
27.	Water pump	Water nilmn:			ot less than 3 bar should be fitted with a protection against overload and nase failure.					
28.	Data record Bui			Bui	ilt-in micro printer					
29.	Loading mothed By I			Internal shelfs x 2						
30.	Safety system			er pressure protect, water level protect, door cannot open in case of essure, door obstacle system, overload protect, and alarming system						
31.	certification			MD	DD 93/42 EEC ISO ASMA EMC					
2	Component	material								
	Component				Material					
1.	Chamber				SUS316L					
2.				SUS316L						
3.				Rock wool						
4.				Embossed aluminum sheet						
5.				SUS316L						
6.				SUS316L						
7.				Silicon rubber						
8.				SUS304						
9.				SUS316L						
10.	• •				SUS316L					
10.	Jane III Jeal	berierator			203310	-				

11.	1. Internal loading cart SUS316L							
12.	5			Not Apply				
3	· · · · · · · · · · · · · · · · · · ·							
No.		Model	Brand	Remark				
1.	Main Chamber body	XG1.HW.01	Class I pressure vessel. Welding by robot Inner chamber is adopted 304 stainless steel; The jacket is 316L steel.					
2.	Door	XG1.HW.03	MRC	The door inner face is adopted 304 stainless steel; It is electric sliding and compressed air sealing, equipped with safety interlocking and manually controlled open equipment.				
3.	Door control switch	MLCA12-TH	OMRON Japan	MRON, Operating Reliably, heat resistant, long service life				
4.	PLC	XPC39160	MRC	Strong function, advanced performance, high reliability, Multi communication mode.				
5.	Touch screen	NSC08-60	MRC	8 inch color touch screen, display working process parameters, easy control and operation. Select Program to Run P-Chamber 1.0 kFa P-jacket 210 kFa T-chamber 25.0 T-jacket 133.5 T O1 Warm Up O2 B&D Test O3 Fabric O4 Instrument O5 Thermolabile O6 Flash O7 Orthopedics O8 Leak Test Pulse 3 st Across pulse 1 st Postive pulse 3 st Ster. time 0 Sec Ster. temp 134.0 To Vacuum dry 180 Sec				
6.	Sterilization software	Wincc flexible	MRC	Multi programs, program modularization management.				
7.	thermal printer	WH4008A	MRC	Core made in Japan; multi record channels, sterilizing parameter record, long service life.				
8.	Pressure transmitter	ECO-1-ABS	WIKA, Germar	Original import from Germany, High precision, high reliability, stable output.				
9.	Pressure gauge	-0.1~0.4MPa	WIKA , Germar	High precision				
10.	Temperature sensor	Pt100	WIKA , Germar	High precision mini-measurement error				
11.	Pneumatic valve	554 series	GEMU, Germar	Powerful switch valve, no action error, remote compressed air control.				
12.	Vacuum pump	2BV series	Nash Elmo, America	Running stable, no water leakage, high reliability, low noisy.				
13.	Air filter	CHL0.2	MRC	Ultra-fine sterile filtration, bacterial eliminating rate ≥99.97%				
14.	Safety valve	0.3MPa	MRC					
15.								
4	Programs (some	of)						





