





MODEL NO.: YSU-608Ex YORK AUTOMATIC SLIDING DOOR HPHV RECTANGULAR H. STERILIZER

Features :

- Automatic sliding door steam sterilizer
- This sterilizer is an advanced version of YSU 608 and is the ideal solution for hospitals / Pharmaceuticals / Research Institutes sterilization needs.

Engineered with people in mind :

Features enable the convenience and durability needed to operate a sterilizer with complete peace of mind. The jacketed chamber is constructed of long lasting 304/316L grade stainless steel with superior corrosion resistance. In addition, the generator and piping are constructed of stainless steel. The pneumatic valves are air pressure operated, significantly reducing maintenance. They are safe and reliable, eliminating the requirement for high voltage. To save energy, the sterilizers automatically switch to a standby mode.

Control Made Simple :

94

Uses an advanced microprocessor for the automated process control. Control panel is user-friendly consists of LCD and a functional touch pad. A self diagnostic system provides messages and alerts that are displayed in a clear language. Audible alerts are sounded with the messages. The LCD display provides constant cycle parameter readouts and cycle progress information. The control system is self diagnostics and provides fault messages to the operator. The Control system is programmed with a total of 7 programs or more (Optional) that range in temperature from 105°Cto134°C

- Programs for (unwrapped instruments)
- Programs for wrapped instruments and packs
- Slow exhaust programs.

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- Test programs Bowie & Dick and vacuum Leak Test
- If needed the number of programs can be increased to take care of user requirement.





STERILIZATION



Safe Design :

Door Safety

Main Feature:

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The doors are designed with independent mechanical and electronic safety features that guarantee a safe working of the sterilizer.

- A safety device prevents the operator from opening the door when chamber is pressurized.
- Steam is not allowed into the chamber when the door is open.
- A cycle will not start if the door is open or not properly closed.
- The door cannot open until chamber pressure reaches room pressure.
- Sliding Door Safety-The sliding door will automatically stops if an obstruction is detected.
- Double Door Safety- interlocks prevent both doors from being opened simultaneously.

Genera/Safety Features

- Double Independent Monitoring : The combined digital and mechanical monitoring provides a cross reference and guarantees accurate results. The operator has two independent means to monitor temperature and pressure.
- Safety Valves : Both the chamber and the jacket are equipped with safety valves-if the pressure exceeds the allowed limit the safety valves will discharge.
- Built-in Steam Generator Safety : A water level monitoring system maintains a constant water level and ensures safe operation of the healers.
- Emergency Shut-off : Easily accessible emergency switches for immediate and safe shut down of the sterilizer.

1.1	Item	HIGH PRESSURE HIGH VACUUM STEAM STERILIZER FULLY AUTOMATIC,
		SLIDING DOOR SINGLE/DOUBLE
1.2	Purpose	For treatment of Sterilization of O.T. Material
1.3	Chamber Size	900 (W) x 900 (H) x 1700 (D) mm to 1200 (W) x 1500 (H)x 2400 (D) mm
1.4	Chamber Volume	200 to 4300 Ltrs.
1.5	Working Temp.	Upto 134°C
1.6	Working Pr.	1 to 2.2 k.g./cm2
1.7	Chamber test Pr.	3.5 k.g./cm2
1.8	Jacket test Pr.	4.8 k.g./cm2, Channel Jacket.
1.9	Source of Energy	Electrically Operated/Direct Steam Operated
1.10	Mounting	Floor Standing Horizontal Type
2.	Design	
2.1	YSU-608Ex.	Steam Sterilizer are designed to meet the norms laid down by the "ASME, BIS, IS 302, EN 205 issued and equivalent international standards for Steam Sterilization dedicated Autoclaves.
2.2	Level of Sterilization	Less than 10-6, over kill approach which results in total destruction of bacillus stearothermoogukys.
2.3	Standards	Shell Fabricated & tested in accordance with IS 3829 Part I & ASME Sec VIII Division I & as per other International standards.
2.4	Certification	Quality Assurance (QA) certification which compliance with requirements of ISO 9001-2000 by BSI affiliated to Ukas & ANSI-RAB, CE Marked.



95

STERILIZATION





3. C	onstruction Features							
3.1	Cross Section	Square/ Rectangular						
3.2	Shape	Rectangular						
3.3	Welding	Butt Fusion welded (Argon Arc)						
3.4	Material	Chamber	:	AISI 304/316/316L				
		Channel Jacket	:	Boiler Grader Steel/AISI 304/316/316L				
		Outer Cover/ Panelling		AISI 304 /Aluminum				
		Baffle		AISI 304				
		Piping		AISI 304				
		Door		AISI 304/316/316L				
				/ 131 30 1/ 310/ 3102				
4. D	oor							
	Туре	Sliding Single or Double Door						
	Sealing		hough to	with stand inside temperature & pressure as				
1.2	Seamg	well as hydraulic test pressure)	loughte	with stand inside temperature a pressure as				
5 C+	eam Generator	well as flyuraulic test pressure)						
5. 51								
5.1	Source of Energy	Electrically Operated						
5.2	Capacity	Adequate/Sufficient for complete	steriliza	tion cycles				
5.3	Fittings	a) Water Level Indicator/ Sight Gl						
0.0		b) Water inlet & outlet valve	0.00					
5.4	Safety	a) Pressure Regulating Electric Device						
5.1	Surety	b) Spring loaded safety valve						
		c) Low water protection for heaters to cut of the supply if water level falls below the						
		minimum level.	to ovete					
			to prote	ct electric circuit and human against thermal				
		injuries in case of breakage.						
	ping & Fittings							
	SS Piping	Made of stainless steel and bronze, duly argon arc welded.						
6.2	Dial Thermometer	Fitted in the chamber drain line 6/10 cm diameter with \pm 1.5° accuracy.						
6.3	Pressure Gauge	6.5 / 7.5 cm diameter industrial type pressure gauge mounted on the jacket.						
6.4	1 5	6.5 / 7.5 cm diameter industrial type Compound gauge mounted on the Chamber.						
6.5	Manual Operational Valve	e Single Port operational valve in case of manual operation (optional).						
6.6	Safety	a) Relief valve for jacket						
		b) Vacuum breaker in the jacket t	o prever	nt vacuumization of jacket				
		c) Bacteria retentive filter to avoid	d contarr	nination of load fitted in the drying system				
7. Vacuum Pump for Pre Post Vacuum Pulse								
7.1	Гуре	Water-ring motorised vacuum pump, suitable for three phase electric supply. 380/50 Hz.						
7.2 Purpose		Pre evacuation of chamber before sterilization as per norms and for drying sterilized						
		load.						

8. Accessories

96

- 8.1 Air Compressor (Optional) Provided of suitable capacity for all pneumatic operations.
- 8.2 Secondary Sterilization Device Provided with the autoclave



STERILIZATION



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_	9. Contr							
	9.1	Panel		ainless Steel cubical modular type	NAME NAME IN			
_			pressure	e gauges to indicate actual pressur	e in chamber jacket and on gasket. 🛛 🗣 🔍 🔍	L		
	9.2	Control Accessories	Circuit k	oreaker, Overload relay, Transmitter,	Switches, Indicator, Push Buttons	L		
			& Conn	ectors mounted inside the control	panel	L		
	9.3	Process control		h four line LCD or more with nume		L		
				umeric data.	ALM .	L		
	9.4	Man Machine Interface		endly Alpha-numerical / Graphical /	Digital type display	L		
	9.5	Display				L		
		1 3	Cycle status Fault/Error Indication with visual alarms The following programs are loaded in the PLC with one pre vacuum pulse to					
١.	9.6	Program						
-			purge the autoclave of all air under strict Sterilization Control cycle software program.					
_				a)Temperature of not less than 121°C and a pressure of 15 psi for an autoclave residence time of not less than 20 minutes for each cycle b) Temperature of not less than 135°C and a pressure of 31 psi for an autoclave residence				
			b) Temp					
			time of	time of not less than 7 minutes for each cycle.				
			c)Valida	tion test program for periodic valic	lation.			
γ	10. Reco	ording of Operational Para	ameters (Optional)				
	10.1 Co	mputer Recording	Recordi	ng of process value through a dot	matrix printer on a roller paper as per real time			
г 1		ocessor controlled			ntinuation of cycle. The event recording include			
	I			our, minute and seconds of followir	•			
				nber Temperature b) Chamber Pre				
/				ted Program d) Cycle Status c				
_				, Day, Year, Time f) Batch Identific	-			
				& emergency massage with code	ation facility			
	11.Test		y) raun	& emergency massage with code				
		ch aquipment is tested for	followin	a tasta bafara dispatab and cartific	d			
_	II.I Ed(in equipment is tested for		ng tests before dispatch and certifie				
					erilization test as per biomedical rule-98.			
				-	nillus spore strips, with at least 1 x106			
			spore					
				ation test - Periodic validation for re	ecording the efficiency of the autoclave			
		ies & Environment Require	ement					
	12.1 Su	pply Voltage	:	415 ± 5% Volt 3 Phase	Inner Sizes			
	12.2 Fre	equency	:	50 Hz.	450 x 450 x 900mm			
	12.3 Pov	wer Consumption	:	36 KW to 72 KW	600 x 600 x 1200mm			
-	12.4 Wa	ater Supply	•	Approx 150 Itrs to 300 Ltrs./cycle	600 x 900 x 1500mm, 900 x 900x1700mm			
1		vironment	•	5 to 50°C	900 x 900 x 1500mm, 900 x 900x1800mm			
	12.6 R.H		:	90% at 30°C	or any size as per customer requirement.			
		age &Trolley (Optional)	•		equipment assists for the loading and unloading			
1	10.0011		process. It is made of high quality, durable stainless steel . We offer two options. Pull					
					uipped with rails for easy loading and unloading.			
				The rails are designed to prevent	, , , , , , , , , , , , , , , , , , , ,			
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	Loading Carts and Transfer Carriages : The adjustable loading cart rolls from the transfer carriage onto the interior chamber tracks for easy handling of heavy loads.							
	The trolley is equipped with revolving wheels, maximizing mobility in limited space.							
		The wheel breaks prevent the trolleys from rolling and the carriage is equipped with a						
\cap				lock that prevents it from sliding.				
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97