Sturdy
Wellell Group

Handy, Powerful and Reliable Sterilizer For CSSDs and Medical Centers

HP Series

HP series with HMI 7" full-color touch screen for a clear vision to manage almost all sterilization settings and configurations, making operation easy.

The management system had ID login and Digital recode it helps operators tracking of the sterilization process from stat to finish, all information about various sterilization parameters and cycles.

Reliable Sterilization Partner

WIDE RANGE OF MODELS AND SIZES

HP series is available with either single or double doors. It accommodates a comprehensive chamber volume ranging from 100 to 848 Liters. The customized size up to 2000 L is also available if requested.

THE SQUARE

The ample room of square chamber and jacket provide for sterilization economies of scale and saves time.

Model No.	Door Configuration	Chamber Size W x H x D (mm)	Chamber Volume (L)	STU * Capacity
SAT-S0848HP	Single	610 x 915 x 1520	848	11
SAT-S0848HPD	Double			
SAT-S0648HP	Single	610 x 915 x 1220	648	8.5
SAT-S0648HPD	Double			
SAT-S0454HP	Single	610 x 610 x 1220	454	6
SAT-S0454HPD	Double			
SAT-S0260HP	Single	510 x 510 x 1000	260	3.5
SAT-S0260HPD	Double			
SAT-S0110HP	Single	410 x 410 x 660	110	1.5
SAT-S0110HPD	Double			

* STU (Sterilization module) Size : 600 x 300 x 300 mm (L x W x H)

SAT-S0848HP - 848 Liters

THE CYLINDRICAL

Cylindrical chamber requires a shorter lead-time which can reduce the cost.
Also, it provides better steam circulation around your instruments due to the extra space.
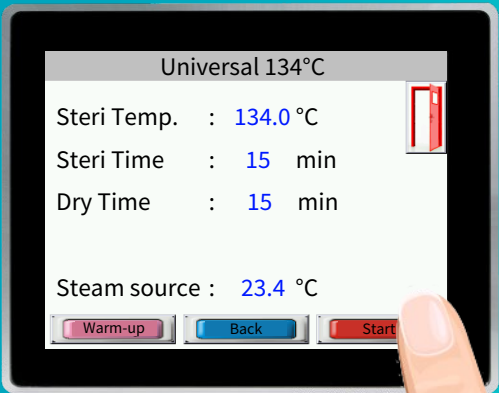
SAT-600HP - 600 Liters

Model No.	Door Configuration	Chamber Size Ø x Depth (mm)	Chamber Volume (L)	STU * Capacity
SAT-600HP	Single	610 x 1200	350	5
SAT-600HPD	Double			
SAT-500HP	Single	500 x 1000	196	3
SAT-500HPD	Double			
SAT-450HP	Single	450 x 900	143	2
SAT-450HPD	Double			
SAT-400HP	Single	400 x 800	100	1.5
SAT-400HPD	Double			

* STU (Sterilization module) Size : 600 x 300 x 300 mm (L x W x H)

IT'S AS SIMPLE AS USING YOUR SMARTPHONE

7" touch screen, easy operation process
Sterilization at the click of a button

Designed with fully automatic sterilization.
The operators only need to select the required program and press "**Start**".

Altitude < 2000m:

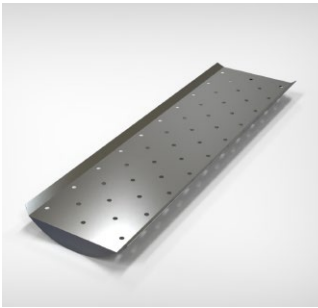| Program	Pre-Vacuum	Temperature (°C)	Pressure (bar)	Sterilization Time (min/s)	Dry Time (min/s)
Universal 121°C	3	121	1.06	30 min	30 min
Universal 134°C	3	134	2.07	15 min	30 min
Liquid Mode	-	121	1.06	40 min	-
Dry Mode	-	-	-	-	1 - 60 min 59s
Manual Mode	0 - 5	105 - 135	2.07	0 - 60 min 59 s	0 - 60 min 59s
Leakage Test	-	-	-	-	-
B & D Test	-	134	-	3.5 min	-
Helix Test	-	134	-	3.5 min	-

Altitude ≥ 2000m:

Program	Pre-Vacuum	Temperature (°C)	Pressure (bar)	Sterilization Time (min/sec)	Dry Time (min/s)
Universal 121°C	3	121	1.06	30 min	30 min
Universal 126°C	3	126	1.50	10 min	30 min
Liquid Mode	-	121	1.06	40 min	-
Dry Mode	-	-	-	-	1 - 60 min 59s
Manual Mode	0 - 5	105 - 135	2.07	0 - 60 min 59 sec	0 - 60 min 59s
Leakage Test	-	-	-	-	-
B & D Test	-	121	-	15 min	-
Helix Test	-	121	-	15 min	-

Universal 134°C
Steri Temp.   :   134.0 °C
Steri Time   :   15   min
Dry Time   :   15   min

Steam source :   23.4 °C
Warm-up   Back   Start

Model No.	SAT-400HP(D)	SAT-450HP(D)	SAT-500HP(D)	SA-600HP(D)
Chamber Volume	100 Liters (26.4 Gallons)	143 Liters (37.8 Gallons)	196 Liters (51.8 Gallons)	35 Liters (92.5 Gallons)
Heater Consumption	9 kW	9 kW	9 kW	12 kW
Max. Consumption	11 kW	13 kW	13 kW	16 kW
Chamber Type	Cylindrical			

Model No.	SAT-S0110HP(D)	SAT-S0260HP(D)	SAT-S0454HP(D)	SAT-S0680HP(D)	SAT-S0848HP(D)
Chamber Volume	110 Liters (29.1 Gallons)	260 Liters (68.7 Gallons)	454 Liters (119.9 Gallons)	680 Liters (179.6 Gallons)	848 Liters (224 Gallons)
Heater Consumption	9 kW	12 kW	15 kW x 2 pcs.	15 kW x 2 pcs.	12 kW x 4 pcs.
Max. Consumption	13 kW	16 kW	34 kW	34 kW	52 kW
Chamber Type	Square				
Chamber Material	# 304 Stainless Steel (# 316L is Optional)				
Chamber Door Material	# 304 Stainless Steel (# 316L is Optional)				
Voltage	3~(phases), 50/60 Hz. 230 VAC / 380 VAC / 415 VAC / 440 VAC				
Control System	Digital Temp. PLC Control				
Operation Interface	7" Full-color Touch Screen				
Air Removal	Pre-Vacuum				
Dry	Post-Vacuum				
Data Recorder	Use flash disk as internal storage				
Data Printer	Dot matrix printer				
Warm-up Function	YES				
Fill Water System	Automatic (Water pressure 2 bar required)				
Water Pump	Optional				
Double Door Configuration	Optional				
Altitude	≤ 4,000 m				
Program	• Universal 121 °C • Universal 134 °C (Altitude < 2000m) • Universal 126 °C (Altitude ≥ 2000m)		• Liquid Mode • Dry Mode • Manual Mode	• Leakage Test • B & D TEST • Helix Test	
Safety Device	• Pressure Door Lock • Pressure Overload Protection • Overheat Protection		• Auto Pressure Release Valve • Water Level Detection		
Standards and Directives	93/42/EEC (Medical Device Directive) - Only for SAT-450HP, SAT-450HPD, SAT-500HP, SAT-500HPD, SAT-600HP, SAT-600HPD Series PED 2014/68/EU (Pressure Equipment Directive) EN 61010-1 (Safety Requirements for measurement control and laboratory use) EN 61010-2-040 (Safety requirements for sterilizers used to treat medical materials) EN 61326-1 (EMC; Electrical equipment for measurement, control and laboratory use) EN ISO 13485 (Medical Devices - Quality Management Systems) RoHS 2011/65/EU (Restriction of Hazardous Substances Directive)				

Standard Accessories

Tray Base
A 304 stainless steel rectangular support surface.

Glass Viewer Tube
All models with 2 pcs.

Starter kit
• User Manual x 1 pc.,
• Printer Paper x 5 pcs.,
• USB Flash Drive 16 GB x 1 pc.

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CE 2460 CE 0035 DNV ISO13489