

Pointer series are pressure control autoclaves, has two versions; the "Manual" version (SA), which requires manual intervention during a session; and the "Auto" Pointer version (SA-A), which is fully automated once a session is started.

Pointer SA/SA-A

Features:

- Independent steam generator
- Wide range of usage
- Low water indication(Optional)
- Stainless steel Chamber, Jacket, Door, Supporter and Steam generator
- Double wall chamber design
- Pre-heating program

Model	SA	SA-A
Sterilization pressure (bar)	1.4	0.9-2.1
Control system	Mechanical pressure control	
Sterilization Time	0 - 60 minutes	
Dry time	0 - 60 minutes	
Life time	7 years	



Pointer SA



Pointer SA-A

Floor Stand Feature Comparison

Model Specification	HP	SAT	SAP	Pointer-Auto	Pointer-Manual
Control System	Digital Temp. PLC Control	Digital Temp. PLC Control	Mechanical Pressure Control Optional (T) for Digital Temp. Control	Mechanical Pressure Control	Mechanical Pressure Control
Program for selection Wrapped/Unwrapped/Liquid	Yes	Yes	Yes	N/A	N/A
Air Removal	Vacuum Pump	Vacuum Pump	Gravity	Gravity	Gravity
Pre-Vacuum Function	Yes	Yes	N/A	N/A	N/A
Post(Dry)-Vacuum Function	Yes	Yes	Optional (V)	Optional (V)	N/A
Dry function	Yes (Auto)	Yes (Auto)	Yes (Auto)	Yes (Auto)	Yes (Manual)
Printer & USB storage	Yes	N/A	N/A	N/A	N/A
1-point temp. recorder	N/A	Yes	Optional (O)	N/A	N/A
6-point temp. recorder	N/A	Optional (Y)	Optional (Y)	N/A	N/A
Double Door	Optional (D)	Optional (D)	Optional (D)	N/A	N/A
Fill water system* (Water pressure 2 bar required)	Auto	Auto	Auto	Manual Optional (B) for auto	Manual
Chamber/Jacket Pressure display	Gauge / LCD Display	Gauge	Gauge	Gauge	Gauge
Stand-by Switch	Yes	Yes	N/A	N/A	N/A
Emergency/Reset Switch	Yes	Yes	Yes	N/A	N/A
Add-Water Pump	Optional (W)	Optional (W)	Optional (W)	Optional (BW)	N/A
Water level Protection	Yes	Yes	Yes	Yes	Optional (L)
Pressure door auto-lock	Yes	Yes	Optional (K)	Optional (K)	Optional (K)
Life Time	7 Year	7 Year	7 Year	7 Year	7 Year

Option Codes (e.g. Optional (V)) listed in the table above are only reference codes used by other documentation
 B: AUTO-ADD WATER PLUMBING (WATER PRESSURE OF 2 BARS REQUIRED)
 D: DOUBLE DOOR DEVICE
 K: PRESSURE DOOR AUTO-LOCK DEVICE
 L: WATER LEVEL CONTROLLER (LOW WATER INDICATOR)
 T: DIGITAL DISPLAYED TEMP. CONTROLLER
 V: DRY VACUUM PUMP
 W: ADD WATER PUMP
 X: 1-POINT TEMP. RECORDER
 Y: 6-POINT TEMP. RECORDER

Model No.	Chamber Capacity (L)	Chamber Size (mm) Diam x Depth (cyl) W x H x Depth (sq)	Overall Dimensions W x H x D (mm)	Voltage	Heater (W)	Water Fill ¹	Chamber Type
SA-400	100	400 x 800	610 x 1550 x 1150	230V / 380V (Mono/Tri Phase)	7 KW	Manual	Cylindrical
SA-450	143	450 x 900	800 x 1800 x 1250	230V / 380V (Mono/Tri Phase)	7 KW	Manual	Cylindrical
SA-500	196	500 x 1000	800 x 1800 x 1350	230V / 380V (Mono/Tri Phase)	9 KW	Manual	Cylindrical
SA-600	350	610 x 1200	900 x 1900 x 1550	230V / 380V (Mono/Tri Phase)	12 KW	Manual	Cylindrical
SA-400A	100	400 x 800	610 x 1550 x 1150	230V / 380V (Mono/Tri Phase)	7 KW	Manual*	Cylindrical
SA-450A	143	450 x 900	800 x 1800 x 1250	230V / 380V (Mono/Tri Phase)	7 KW	Manual*	Cylindrical
SA-500A	196	500 x 1000	800 x 1800 x 1350	230V / 380V (Mono/Tri Phase)	9 KW	Manual*	Cylindrical
SA-600A	350	610 x 1200	900 x 1900 x 1550	230V / 380V (Mono/Tri Phase)	12 KW	Manual*	Cylindrical
SAP-400	100	400 x 800	800 x 1800 x 1150	230V / 380V (Mono/Tri Phase)	7 KW	Piped	Cylindrical
SAP-450	143	450 x 900	800 x 1800 x 1250	230V / 380V (Mono/Tri Phase)	7 KW	Piped	Cylindrical
SAP-500	196	500 x 1000	800 x 1800 x 1350	230V / 380V (Mono/Tri Phase)	9 KW	Piped	Cylindrical
SAP-600	350	610 x 1200	900 x 1800 x 1550	230V / 380V (Mono/Tri Phase)	12 KW	Piped	Cylindrical
SAP-S0110	110	410 x 410 x 660	950 x 1800 x 1350	230V / 380V (Mono/Tri Phase)	9 KW	Piped	Square
SAP-S0260	260	510 x 510 x 1000	950 x 1800 x 1450	230V / 380V (Mono/Tri Phase)	12 KW	Piped	Square
SAP-S0454	454	610 x 610 x 1220	1050 x 1800 x 1650	230V / 380V (Mono/Tri Phase)	15 KW x 2	Piped	Square
SAP-S0680	680	610 x 915 x 1220	1740 x 2060 x 1960	230V / 380V (Mono/Tri Phase)	15 KW x 2	Piped	Square
SAP-S0848	848	610 x 915 x 1520	1740 x 2060 x 2260	230V / 380V (Mono/Tri Phase)	16 KW x 2	Piped	Square
SAT-400	100	400 x 800	800 x 1800 x 1150	230V / 380V (Tri Phase)	7 KW	Piped	Cylindrical
SAT-450	143	450 x 900	800 x 1800 x 1250	230V / 380V (Tri Phase)	7 KW	Piped	Cylindrical
SAT-500	196	500 x 1000	800 x 1800 x 1350	230V / 380V (Tri Phase)	9 KW	Piped	Cylindrical
SAT-600	350	610 x 1200	900 x 1800 x 1550	230V / 380V (Tri Phase)	12 KW	Piped	Cylindrical
SAT-S0110	110	410 x 410 x 660	950 x 1800 x 1350	230V / 380V (Tri Phase)	9 KW	Piped	Square
SAT-S0260	260	510 x 510 x 1000	950 x 1800 x 1550	230V / 380V (Tri Phase)	12 KW	Piped	Square
SAT-S0454	454	610 x 610 x 1220	1050 x 1800 x 1650	230V / 380V (Tri Phase)	15 KW x 2	Piped	Square
SAT-S0680	680	610 x 915 x 1220	1740 x 2060 x 1960	230V / 380V (Tri Phase)	15 KW x 2	Piped	Square
SAT-S0848	848	610 x 915 x 1520	1740 x 2060 x 2260	230V / 380V (Tri Phase)	16 KW x 2	Piped	Square
SAT-400HP	100	400 x 800	800 x 1800 x 1150	230V / 380V (Tri Phase)	7 KW	Piped	Cylindrical
SAT-450HP	143	450 x 900	800 x 1800 x 1250	230V / 380V (Tri Phase)	9 KW	Piped	Cylindrical
SAT-500HP	196	500 x 1000	800 x 1800 x 1350	230V / 380V (Tri Phase)	9 KW	Piped	Cylindrical
SAT-600HP	350	610 x 1200	900 x 1800 x 1550	230V / 380V (Tri Phase)	12 KW	Piped	Cylindrical
SAT-S0110HP	110	410 x 410 x 660	950 x 1800 x 1350	230V / 380V (Tri Phase)	9 KW	Piped	Square
SAT-S0260HP	260	510 x 510 x 1000	950 x 1800 x 1550	230V / 380V (Tri Phase)	12 KW	Piped	Square
SAT-S0454HP	454	610 x 610 x 1220	1050 x 1800 x 1650	230V / 380V (Tri Phase)	15 KW x 2	Piped	Square
SAT-S0680HP	680	610 x 915 x 1220	1740 x 2060 x 1960	230V / 380V (Tri Phase)	15 KW x 2	Piped	Square
SAT-S0848HP	848	610 x 915 x 1520	1740 x 2060 x 2260	230V / 380V (Tri Phase)	16 KW x 2	Piped	Square

Floor Stand Feature	Temperature (°C) Options	Temperature Indicator	Pressure Option	Pressure Indicator	Progress Indicator ⁴	Power Indicator	Pressure Auto Lock	Reset Button	Standby ³	Program Selector	Selectable Sterilization Timer	Pre-Vacuum	Post Dry Vacuum	Selectable Dry Timer	Liquid	Digital Printer	6-Point Temp Sensor Recorder	1-Point Temp Sensor Recorder	Water Pump
Pointer SA (manual)		Gauge	1.4 bar	Gauge ²	S	S	0				0-60 min			0-60 min	0				
Pointer SA-A (auto)		Gauge	0.9-2.1 bar	Gauge ²	S	S	0				0-60 min	0	0	0-60 min	0				0
SAP		Gauge	0.9-2.1 bar	Gauge ²	S	S	0	S		S	0-60 min	0	0	0-60 min	S		0	0	0
SAT	105 - 136	LED Display		Gauge ²	S	S	S	S	S	S	0-60 min	S	S	0-60 min	S		0	S	0
HP	121 or 134 105 - 135	HMI		HMI & Gauge	S	S	S	S	S	S	0-60 min	S	S	0-60 min	S	S	N/A	N/A	0

- 1 - "Piped" - Uses local water plumbing with auto-fill
- "Manual" - Water must be added manually
- "Manual*" - Manual water fill with optional piping
- 2 - Includes both Jacket and Chamber pressure gauges
- 3 - Standby allows the Big Autoclave to maintain jacket temperatures between sterilization sessions.
- 4 - Progress bar or Progress lights

S - Standard
O - Optional

Other Notes:

- Standard Chamber / Jacket / Door / Housing are made of Stainless Steel#304, #316 Stainless steel optionally available for Chamber / Jacket / Door.
- Standard Accessories: Tray*1, Glass Viewer Tube * 2
- Optional Accessories: Trolley / Plate Set / Basket

- (cyl): Cylinder Chamber
- (sq): Square Chamber
- Manual Pointer: SA-400 / SA-450 / SA-500 / SA-600
- Auto Pointer: SA-400A / SA-450A / SA-500A / SA-600A
- Sturdy also offers customized sizes up to 2000 L.