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Cipla  
Piramal Enterprises  
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Cadila Healthcare ltd.  
Zydus Cadila  
Aurobindo Pharma ltd.

## Regd. Office & Factory

**Aureole Process Equipments Pvt. Ltd**  
Formerly known as Joel Process Equipment Pvt. Ltd.

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Aureole Process Equipment Pvt. Ltd.



## Mfr. of Process & Pharma Equipment

Specialist in  
Autoclaves / Sterilizers  
Pharmaceutical  
Chemical Equipment  
Hospital Equipment



**Aureole Process Equipment Pvt. Ltd.**

Since 2006

www.aureoleproequip.com

# VISION

## A Step towards Innovation

To achieve and establish a worldwide reputation, Leadership as a unique manufacturer as well as supplier of specialized, innovative plus reliable machines in addition to accessories for pharmaceutical industry to encounter their cGMP needs and goals.

# MISSION

## To Innovation

To work closely with the pharma industry in direction of understanding their present as well as future needs. On the way to help them with the right solutions by adopting the research based engineering practices inclusive of a proactive attitude along with delivering the best quality performing machines and services on time.

# R & D

## Constructs Innovation

We have a dedicated research and development team with highly qualified to develop superior quality machines giving advanced features taking every possible angle into consideration before starting production. Aureole process equipments Pvt. Ltd. is committed to invest more for R&D for upgradation of technology and process



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Aureole Process Equipment Pvt. Ltd.

# Horizontal Sliding

Automatic Autoclave / Sterilizer



Horizontal Sliding Sterilizer

### CARRIAGES & TROLLEYS

- The loading carriage is made from stainless steel 304 or 316/L & it has adjustable shelves which can be positioned according to height of the goods
- It is designed to slide easily from the chamber to trolley

### DOOR

- The Sterilizer is supplied with single or double doors made of 304 or 316/L quality stainless steel
- The doors can be horizontal automatic sliding type or swinging (radial arm) type as per the customer's requirement
- The doors will have unique arrangement to open manually in case of power failure
- While closing the door, it also automatically opens in case it is obstructed by an object
- These doors are sealed with movable Silicone Rubber gasket with the help of pneumatic pressure

### VACUUM SYSTEM

- The system is used for effective air removal from the sterilizer's chamber
- It consists of efficient water ring type vacuum pump, condenser etc

### MATERIAL HANDLING

- Sterilizers can be supplied with stainless steel removable shelves/ trays or with loading carriages & trolleys
- The trolley is made of Stainless Steel / Mild steel & has its base with four heavy duty castors

### AUTOMATIC PROCESS CONTROL UNIT

- The control unit is based on advance PLC or microprocessor technology with or without SCADA & 21 CFR Part II Compliance
- This unit controls different sterilization cycles with the help of in-built different programmed combinations
- The control units are backed up with manual operation

**STANDARDS :** The sterilizers can be manufactured to comply with any other International Standards

Model	Chamber Size (W x H x D in mm)	Volume (Liters)	Steam Generator Electrical load (Kilowatts)
JAM HS - 120	450 x 450 x 600	120	12
JAM HS - 180	450 x 450 x 900	180	18
JAM HS - 300	500 x 500 x 1200	300	18
JAM HS - 325	600 x 600 x 900	325	18
JAM HS - 430	600 x 600 x 1200	430	24
JAM HS - 540	600 x 600 x 1500	540	36
JAM HS - 648	600 x 900 x 1200	648	36
JAM HS - 810	600 x 900 x 1500	810	36
JAM HS - 970	900 x 900 x 1200	970	36
JAM HS - 1275	900 x 900 x 1500	1275	36

# Sophisticated

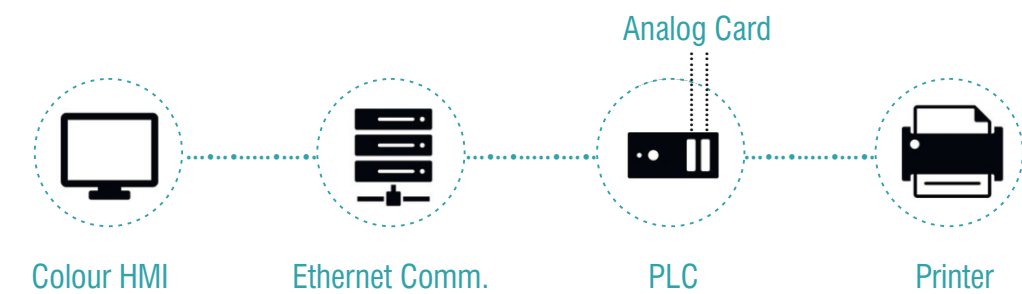


Sophisticated

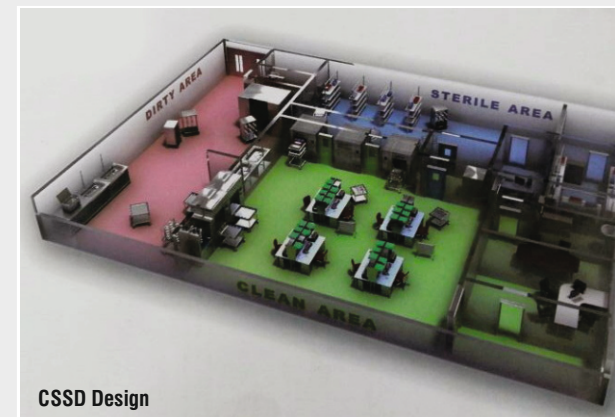
### SOPHISTICATED

High quality materials combined with smart construction lead to sophisticated system solutions for efficient and economic operation. Rubber gasket with the help of pneumatic pressure

## Autoclave PLC system architecture



- 21 CFR Compliance HMI
- 82 Column Character dot matrix printer
- Ethernet Protocol Communication
- Different type of Recipe in HMI
- Vacuum Leak Test, Bowie Dick Test, HPHV Standard Cycle incorporated in HMI
- SCADA Compliance



CSSD Design

## CSSD Design

The design of a central sterile supply department requires many considerations proper Design of areas within the Department choosing the right equipment and understanding the needs.

# Horizontal Rectangular Autoclave / Sterilizer



Standard Model

### CENTRALIZED CONTROL POINT

- Multi-port operating valve, control for the entire cycle of the operation
- Permits two exhaust speeds, fast & slow
- Easy to read compound gauge for the chamber and pressure gauge for the jacket
- Smooth operation

### SAFETY FEATURES

- Self locking safety door cannot be opened while chamber is under pressure
- Gauge glass tube with automatic closing safety valve
- Heat resistant SILICONE door gasket
- Pressure switches (on electric models) economize power consumption
- Low water protection system, to protect the electric heaters
- Temperature gauge/ Digital temp. Indicators/ controllers (optional)
- Vacuum breaker/ dryer
- Safety valve for the Jacket I boiler
- Hydraulically test to 2.5 times the designed working pressure
- Powerful ejector for drying
- Insulated with resin bond fiber glass wool covered with
- M.S./ S.S. 304 sheet

Model	Chamber Dim. (W x H x D in mm / (inches))	Chamber Volume (Litres)	External Dimension Without 4 Side Panel (W x H x D in mm)	KW
JAM 18	450 (18) x 450 (18) x 900 (36)	182	650 x 1800 x 1400	18
JAM 43	600 (24) x 600 (24) x 1200 (48)	432	800 x 1800 x 1400	24
JAM 64	600 (24) x 900 (36) x 1200 (48)	648	800 x 2000 x 1400	36
JAM 81	600 (24) x 600 (36) x 1500 (48)	810	800 x 2000 x 1700	36
JAM 97	900 (36) x 900 (36) x 1200 (48)	972	1200 x 1800 x 1400	36
JAM 127	900 (36) x 900 (36) x 1500 (60)	1275	1200 x 1800 x 1700	36
JAM 264	1050 (42) x 1200 (48) x 2100 (72)	2646	1250 x 2000 x 2300	NA
JAM 345	1200 (48) x 1200 (48) x 2400 (84)	3456	1400 x 2000 x 2600	NA

Horizontal Rectangular is customizable till 8000 ltr capacity.

# High Speed / High Pressure Autoclave / Sterilizer



High Speed / High Pressure Cylindrical Model

### TYPICAL FEATURES

The Sterilizers designed for a standard working pressure of 1.2 kg/cm i.e., 121°C or an optional High Speed (flash) working pressure of 2.1 kg/cm i.e., 134°C which substantially reduces cycle time.

Our high efficiency Steam Sterilizers are designed for maximum thermodynamic efficiency and robust in construction Built with an inner chamber of AISI 304/316 grade stainless steel, jacket of AISI 304 grade stainless steel, door of AISI 304 grade stainless steel, the strong argon arc welded chamber and jacket ensure a leak proof construction. Mounted on a corrosion resistant stand further ensures greater durability.

Working on the principle of downward displacement of air, the sterilizer assure you that only a minimal quantity of water and steam are required for optimum sterilization. A steam trap is provided for effective, economical removal of air and condensate from the chamber. This help to achieve sterilization temperature quicker. The option of a steam generator feed water pump assists uninterrupted operation.

A powerful ejector fitted in the multi-port operating valve circulate air in the chamber for vacuum drying. With minimum heat loss the sterilizer enables a pleasant, comfortable, working environment.

### Horizontal Cylindrical Autoclave

Chamber Size In M.M.	Capacity In Litres	KW
300 Dia. X 500 Depth	50	9 KW
400 Dia. X 600 Depth	76	9 KW
400 Dia. X 900 Depth	110	9 KW
400 Dia. X 1200 Depth	150	9 KW
500 Dia. X 900 Depth	175	9 KW
500 Dia. X 1200 Depth	230	12 KW
600 Dia. X 900 Depth	275	12 KW
600 Dia. X 1200 Depth	340	12 KW
750 Dia. X 1200 Depth	460	18 KW

### CENTRALIZED CONTROL POINT

- Multi-port operating valve / Solenoid valve, control for the entire cycle of the operation
- Permits two exhaust speeds, fast & slow
- Easy to read compound gauge for the chamber and pressure gauge for the jacket
- Smooth operation

### SAFETY FEATURES

- Self locking safety door cannot be opened while chamber is under pressure
- Gauge glass tube with automatic closing safety valve
- Heat resistant SILICONE door gasket
- Pressure switches (on electric models) economize power consumption
- Low water protection system, to protect the electric heaters
- Temperature gauge/ Digital temp. Indicators / controllers (optional)
- Vacuum breaker / dryer
- Safety valve for the Jacket / boiler
- Hydraulically test to 2.5 times the designed working pressure

# Ethylene Oxide ETO Sterilizer



ETO Sterilizer

- M.O.C. Chamber - SS 304 / 316
- Outer body - powder coated / fully ss 304
- Chamber Thickness: 6mm
- Internal: Mirror Finished
- Operating Gas Pressure: 1 Kg/Cm'
- Test Pressure: 2 Kg/Cm'
- Manual system available in case of auto system fail
- Pneumatic Solenoid Valve would be provided for automated system
- Safe use of cartridge - cartridge is punctured only when proper negative pressure build-up
- Cartridge puncture inside chamber automatically by pneumatic cylinder
- Mode of hitting - electric immersion heaters operated by single phase
- Operating temp 40 to 55°C
- Digital display to show running process with time & temperature during entire cycle
- Compound gauge - to show vacuum & air pressure
- Vacuum pump - Kirloskar heavy duty watering vacuum puma 1 hp.
- Easy to handle - material can be easily loaded using the basket provided with sterilizer
- Usage - all kind of surgical instruments and ideal for sensitive medical equipments which are not sterilized. In steam sterilizers

## Standard Sizes

No.	Size - W x H x D in mm	Cartridge Used in gm
1	300 x 300 x 600	40
2	300 x 300 x 750	40
3	300 x 300 x 1200	100
4	300 x 300 x 1350	100
5	450 x 450 x 1050	170
6	400 x 400 x 1350	170

# Table Top Autoclave

## APPLICATIONS FOR

Aureole Table Top High Pressure High Vacuum High Speed Sterilizers are ideal for all applications requiring rapid, reliable and total destruction of all types of living Microorganisms. Ideal for Research lab, Hospitals, Dental clinics, Operation theaters, QC/Micro etc.

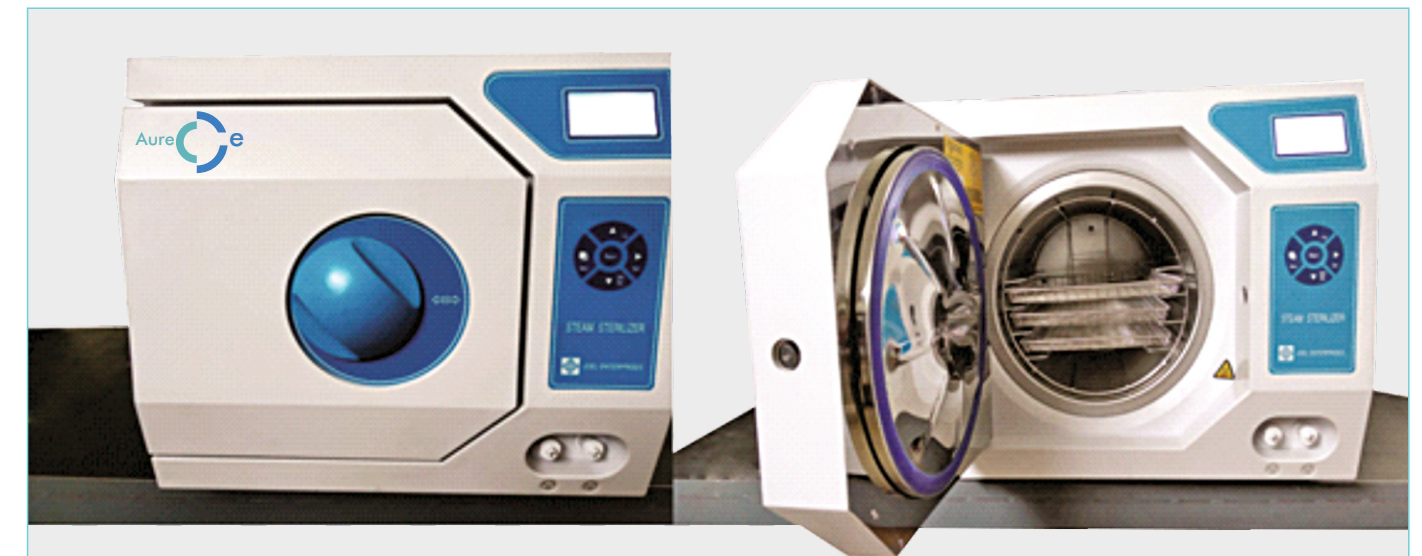


Table Top Autoclave

Model Available are in liters: **JE-T- 8 / 12 / 16 / 18 / 23. (B- CLASS & N CLASS)**

## FEATURES & ADVANTAGES

- Automatic computer control, LCD dynamic display, fault self - diagnosis, display the error code.
- Reference European class B standard, three pre vacuum and vacuum deep drying function, to make the sterilization and drying sterilization, drying to achieve the best working conditions.
- Preset sterilization procedures, sterilization and the drying time can be adjusted.
- SS 316 L stainless steel containers and a sealing cover, double pressure protection safety door lock.
- Start working procedures prevent when door is not locked well.
- Safety pressure protection lock, automatic induction sterilizing cavity pressure, can't open door during sterilization process.
- Built -in independent steam generator, fast saturated steam, so that the high temperature steam fully reaches every corner.
- Simple and convenient operating interfaces, LCD dynamic display, display the status information in real time.
- Open type top water tank, filling and cleaning for user.
- With liquid sensor for water level, to remind user to add water or drainage.
- The built-in safety valve, automatically exhaust and unloading pressure when over pressure.
- Equipped with temperature protection device, in the cavity wall temperature and steam generator device is too high will automatically disconnect.
- With B&D test, Helix Test, and Vacuum test program.
- With optional external printer.
- The optional USB function and U disk, the data stored in the U disk, connect the computer to view and save.



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# Vertical Autoclave

## Single Lever



Vertical Autoclave Single Lever

### SAFETY FEATURES:

- Safety valve for chamber & Jacket.
- Automatic purging system.
- WLC System for Heater protection.
- Separate Ball Valves for water Inlet and Drainage.
- Dial type Pressure Gauge to indicate pressure in the Chamber
- Pressure Release valve to release excess pressure from chamber.
- Audio visual Alarm system after completion of cycle.
- Gauge glass facility for water visibility.

- Thermal Printer with FO Value Calculation.

### OPTIONAL:

- 21 CFR Part II Compliance
- SCADA Compliance

### APPLICATION

- For use in Microbiology, Hospital, QC & Research laboratories, Pharmaceutical Industry etc.

### Fully Automatic Model:

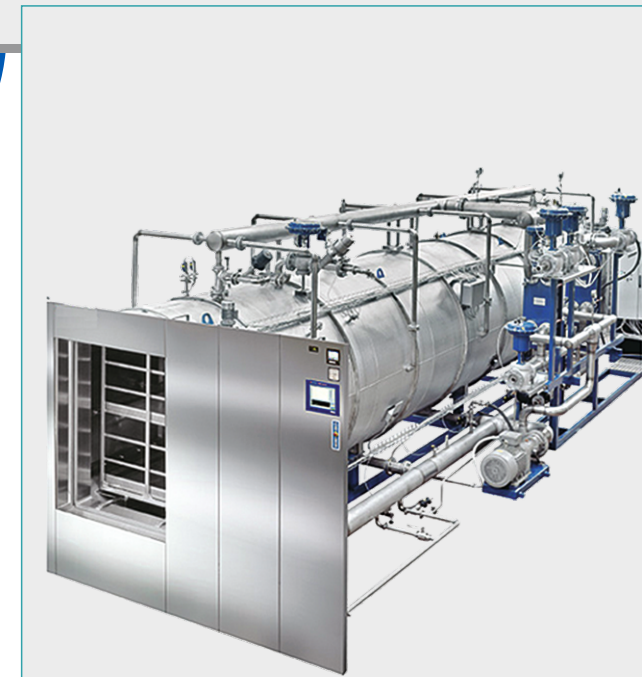
Temperature automatically maintained by digital Controller, which control / pressure and temperature with auto air purge, digital timer, auto steam exhaust, low water level cutoff.

- Vertical Triple wall design has triple chamber and water.
- Working chamber made of Stainless Steel 316 grade of 3 mm thickness.
- Outer cover made of stainless steel 1 mm thick.
- Lid. flange & bottom sheet also made of stainless. All joints argon welded
- Joint less silicon gasket, heavy duty industrial flange heater.
- Pressure range : 15 to 22 PSI. factory set at 15 PSI.
- Lid fitted pressure gauge 0-30 PSI, safety spring loaded pressure valve and steam release valve.
- Hydraulically tested at 60 PSI.
- Single lever operated Door.
- **Electrical:** 230v / 32A / 50Hz.
- **Temperature Control:** Microprocessor based digital display.
- **Temperature Sensor:** PT - 100
- **Temperature Range:** 121°C to 125°C
- **Temperature Resolution:** 0.1°C
- **Temperature Resolution:** 0.1°C
- **Temperature Accuracy:** ±0.5°C

Size of Working Chamber		Capacity	Rating
Dia x Height (inches)	Dia x Height (cms)	Ltr	KW
12 x 20 + 150mm	30 x 50 + 150mm	35	2
14 x 22 + 150mm	35 x 55 + 150mm	52	3
16 x 24 + 150mm	40 x 60 + 150mm	75	3
18 x 24 + 150mm	45 x 60 + 150mm	95	4
18 x 30 + 150mm	45 x 75 + 150mm	125	4

# Superheated

## Water Spray Sterilizer



Superheated Water Spray Sterilizer

### DESCRIPTION

Our plant assure sterilization in conformity with good manufacturing practices for LVPs, SVP etc. and in accordance with the cGMP issued by FDA. In short, excellent engineering coupled with efficient manufacturing .

Superheated water shower method is an efficient process for the sterilization of sealed containers.

The process water is circulated through sanitary pumps via heat exchanger. Industrial steam or cooling water is admitted to the external heat exchanger.

Circulation pump is designed for high circulation performance, uniform temperature rise during heating and optimal temperature distribution during sterilization.

External heat exchanger is FDA-compliant double-tube sheet heat exchanger or plate heat exchanger.

### FEATURES

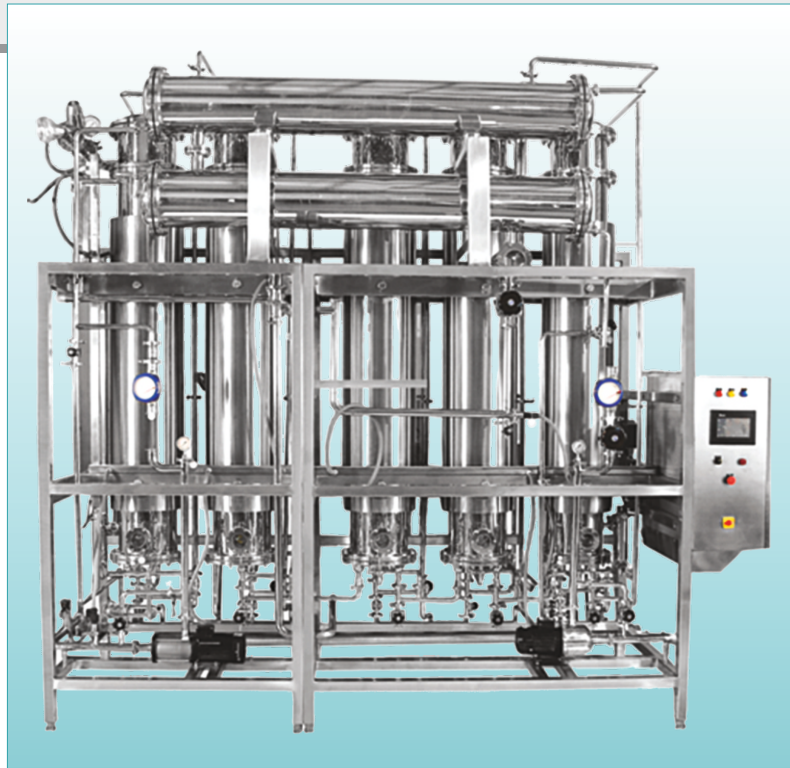
- The panel use LCD touch screen control.
- Program Flow: Use PLC control, for ease of operation and provide three sterilization programs or by customer specifications.
- Simple & safe operation: The automatic programs provide with complete and safety control to ensure safe operating condition.
- Temperature recorder for continuous monitoring and recording of the sterilization process.

### SPECIFICATION

- Sterilization chamber in 316, 316 L stainless steel.
- Piping & valves directly connected with chamber in stainless steel.
- Chamber piping all valves and fittings are sanitary class.
- Insulation by Glass wool.
- Automatic temperature controller.
- Automatic temp. Recorder - 6 points or 12 points.
- Sealed Door Packing: Use heat-resistant silicon rubber material ring packing.
- Absolute air vent filter for prevention of sterilized product contamination.
- One door or pass through type double doors.
- Single wall (cylindrical chamber) or double walls (parallel equipped chamber) body.
- All control and safety components are adapted to the higher temperature and pressure.



# Multicolumn Distillation Plant



Uses Superior three-punch entertainment technology for producing sterile, pyrogen free USP grade WFI for manufacture of critical sterile dosage forms.

### OPTIONAL FEATURES

- Fully Automatic Plant supplied with boiler steam, cooling water flow rate & feed water flow rate
- All pipes & tubes are as per ASME & BPE stamping with less than 0.5 Ra
- Double tube sheet for all pre heaters & both top coolers
- Magnetic Float Switch is provided for Surge Tank to control Water i.e., High level & Low Level
- Air Eliminator is provided for removing toxic gases

### DESCRIPTION

Multi Column Distillation Plant is a key system for cGMP Standard. MCDP is the perfect solution for high purity sterile pyrogen free distill water. The vapour with high velocity & under pressure passes over a 'SPECIALLYDESIGNED SPIRAL BAFFLE' System which develops tremendous centrifugal force & thus eliminates any chances of pyrogens in the carry over vapours. It is available in capacities from 50 Ltrs/Hr. The Water for injection (WFI) produced from MCDP is according to FINN AQUA Design & it is low maintenance & low operational costs.

### SALIENT FEATURES

- All Contact Parts are in AISI 316/AISI SS 316L
- To assure WFI quality & increase the life of equipment Inner Contact Surfaces are electro polished
- Double Tube Sheets is constructed in the first column where boiler steam is present
- Sanitary Tricolor fittings are used for quick & easy preventive maintenance
- All pipes & Tubes are seamless & gaskets made from PTFE material
- PLC based system for automated operation with all required inter locks & validated logic with skid mounted AISI SS 304 control panel with printing facility

### Technical Specification

Model	No. Of Columns	Industrial Steam A3 Bar Pressure				Industrial Steam At 8 Bar Pressure				Approx. Dimensions (mm) L x W x H	EST. WT. Kg
		Capacity	Supply Steam	Cooling Water	Feed Water	Capacity	Supply Steam	Cooling Water	Feed Water		
		Ltrs/Hr.	Kg/Hr.	Ltrs/Hr.	Ltrs/Hr.	Ltrs/Hr.	Kg/Hr.	Ltrs/Hr.	Ltrs/Hr.		
J / M - 80	4	80	40	120	90	145	70	180	165	1400 x 900 x 2050	350
J / M - 150	4	150	48	180	175	285	85	350	330	2100 x 1300 x 2600	800
J / M - 300	4	300	97	365	545	570	170	700	1000	2100 x 1300 x 2600	900
J / M - 500	5	500	130	605	575	920	275	1130	1060	2800 x 1300 x 3200	1250
J / M - 1000	5	1000	238	1265	1150	1920	575	2360	2210	3300 x 1600 x 3250	2000
J / M - 2000	6	2000	440	900	2300	3835	1150	4720	4410	4400 x 1650 x 3800	3400
J / M - 3000	6	3000	660	650	3450	5500	1650	6770	6325	4900 x 1800 x 4300	6800



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# Pure Steam Generator



Ideal for generation of sterile pyrogen free steam used in the steam sterilizers and for SIP of vessels, pipelines, lyophilizers, etc.

### DESCRIPTION

Pure Steam Generator meets the ASME, BPE & cGMP specifications. Pure Steam Generator produces pyrogen from sterile steam for sterilization which meets international standards including Indian, British & United States Pharmacopoeia. The Pure steam generated is widely used in medical field, biochemical, piping & tank & sterilization. The Pure steam produced from PSG is according to FINN AQUA Design & it is low maintenance & low operational costs.

### SALIENT FEATURES

- All Contact Parts are in AISI 316/AISI SS 316L
- To assure High Purity Steam quality & increase the life of equipment Inner Contact Surfaces are electro
- Double Tube Sheets is constructed in the first column where boiler steam is present
- Sanitary Tricolor fittings are used for quick & easy preventive maintenance
- All pipes & Tubes are seamless & gaskets made from PTFE material
- PLC based system for automated operation with all required inter locks & validated logic with skid mounted AISI SS 304 control panel with printing facility
- High Purity Flow Diversion Valve is provided for protection of High Purity Steam Quality
- Insulation is made with 3cm Mineral Wool covered by AISI 304 Stainless Steel sheet
- Magnetic Control System is provided for first column to control Water i.e. High Level & Low Level
- Fast response to Pure Steam demand.

### OPTIONAL FEATURES

- Fully Automatic Plant supplied with boiler steam & feed water flow rate
- All pipes & tubes are as per ASME & BPE stamping with less than 0.5 Ra
- Double tube sheet for all pre heaters & both top coolers
- Magnetic Float Switch is provided for Surge Tank to control Water i.e., High level & Low Level
- Air Eliminator is provided for removing toxic gases

### Technical Specification

Model	Capacity Kg / Hr.	Feed Water 7 Kg / CM <sup>2</sup>	Industrial Steam Dry & Saturated 6 Kg / CM <sup>2</sup>	Output 3 Kg / CM <sup>2</sup>	EST. WT. Kg	Dimensions L x W x H
J / PSG 150	150	180	185	150	225	1100 x 1100 x 2450
J / PSG 200	200	240	250	200	300	1100 x 1100 x 2450
J / PSG 300	300	360	375	300	330	1100 x 1100 x 2450
J / PSG 500	500	600	625	500	530	1500 x 1225 x 3050
J / PSG 750	750	900	925	750	650	1500 x 1300 x 3050
J / PSG 1000	1000	1200	1250	1000	800	1600 x 1500 x 3550
J / PSG 1500	1500	1800	1875	1500	1200	1550 x 1000 x 3600

- Plant steam 6 bar-dry and saturated
- Feed water (purified water) at 30 to 35 deg. °C



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# Vertical Sliding

Automatic Autoclave / Sterilizer



Vertical Sliding Sterilizer

### DOOR

- The Sterilizer is supplied with single or double doors made of 304 or 316/L quality stainless steel
- The doors can be vertical, automatic sliding type or swinging (radial arm) type as per the customer's requirement
- The doors will have unique arrangement to open manually in case of power failure
- While closing the door, it also automatically opens in case it is obstructed by an object
- These doors are sealed with movable Silicone Rubber gasket with the help of pneumatic pressure

### VACUUM SYSTEM

- The system is used for effective air removal from the sterilizer's chamber
- It consists of efficient water ring type vacuum pump, condenser etc

### MATERIAL HANDLING

- Sterilizers can be supplied with stainless steel removable shelves/ trays or with loading carriages & trolleys
- The trolley is made of Stainless Steel / Mild steel & has its base with four heavy duty castors

### AUTOMATIC PROCESS CONTROL UNIT

- The control unit is based on advance PLC or microprocessor technology with or without SCADA & 21 CFR Part II Compliance
- This unit controls different sterilization cycles with the help of in-built different programmed combinations
- The control units are backed up with manual operation

### STANDARDS

The sterilizers can be manufactured to comply with any other International Standards

Model	Chamber Size (W x H x D in mm)	Volume (Liters)	Steam Generator Electrical load (Kilowatts)
JAM VS - 120	450 x 450 x 600	120	12
JAM VS - 180	450 x 450 x 900	180	18
JAM VS - 300	500 x 500 x 1200	300	18
JAM VS - 325	600 x 600 x 900	325	18
JAM VS - 430	600 x 600 x 1200	430	24
JAM VS - 540	600 x 600 x 1500	540	36

# Microprocessor P.L.C. based control system



The control unit is based on 'state-of-art' microcomputer technology, guaranteeing high reliability and safe operation. The computerized control unit ensures a fully automatic operation throughout the entire cycle. No future intervention is necessary after selecting the parameters and pressing the start button. The main cycle phase and the machine's actual parameters are displayed on the LCD panel during the cycle progress.

The main physical parameters of the process i.e., temperature, pressure, time and jacket pressure are controlled and displayed. The keyboard located on the front panel enables the operator to select a program, start and stop the cycle, and allows a trained technician to preset the main parameters using an access code. The control system is easy to use and programmable.



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# Vertical Autoclave

Wing-Nut



Vertical Autoclave Wing-Nut

- Thermal Printer with FO Value Calculation.

### OPTIONAL:

- 21 CFR Part II Compliance
- SCADA Compliance

### APPLICATION

- For use in Microbiology, Hospital, QC & Research laboratories, Pharmaceutical Industry etc.

### Fully Automatic Model:

Temperature automatically maintained by digital Controller, which control / pressure and temperature with auto air purge, digital timer, auto steam exhaust, low water level cutoff.

- Vertical Triple wall design has triple chamber and water.
- Working chamber made of Stainless Steel 316 grade of 3 mm thickness.
- Outer cover made of stainless steel 1 mm thick.
- Lid. flange & bottom sheet also made of stainless. All joints argon welded
- Joint less silicon gasket, heavy duty industrial flange heater.
- Pressure range : 15 to 22 PSI. factory set at 15 PSI.
- Lid fitted pressure gauge 0-30 PSI, safety spring loaded pressure valve and steam release valve.
- Hydraulically tested at 60 PSI.
- Single lever operated Door.
- **Electrical:** 230v / 32A / 50Hz.
- **Temperature Control:** Microprocessor based digital display.
- **Temperature Sensor:** PT - 100
- **Temperature Range:** 121°C to 125°C
- **Temperature Resolution:** 0.1°C
- **Temperature Resolution:** 0.1°C
- **Temperature Accuracy:** ±0.5°C

### SAFETY FEATURES:

- Safety valve for chamber & Jacket.
- Automatic purging system.
- WLC System for Heater protection.
- Separate Ball Valves for water Inlet and Drainage.
- Dial type Pressure Gauge to indicate pressure in the Chamber
- Pressure Release valve to release excess pressure from chamber.
- Audio visual Alarm system after completion of cycle.
- Gauge glass facility for water visibility.

Size of Working Chamber		Capacity	Rating
Dia x Height (inches)	Dia x Height (cms)	Ltr	KW
12 x 20 + 150mm	30 x 50 + 150mm	35	2
14 x 22 + 150mm	35 x 55 + 150mm	52	3
16 x 24 + 150mm	40 x 60 + 150mm	75	3
18 x 24 + 150mm	45 x 60 + 150mm	95	4
18 x 30 + 150mm	45 x 75 + 150mm	125	4
22 x 30 + 150mm	55 x 75 + 150mm	175	6



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