

## Portable Autoclave

- All body made of Stainless Steel or Aluminum.
- Fitted with pressure gauge.
- The unit has spring loaded safety valve of pressure adjustment and a dead weight safety valve.
- It is hydraulically tested up to 30 PSI & is supplied with Electric fitting, Cord & Plug, supplied complete with Tripod Stand.
- To work on 220/330Volt AC Supply

Model No.	Stainless Steel	Aluminum Body	Capacity
901-A	300 x 300	300 x 300	20 Litres
901-B	300 x 375	300 x 375	25 Litres
901-C	300 x 450		30 Litres
901-D	300 x 500		40 Litres



## Fully SS Table Top Dental Autoclave

- All body made of stainless steel.
- The inner/outer chamber & boiler are made of heavy gauge S S with leak proof argon ARC welding.
- The space between the outer chamber is filled with wool to minimize thermal losses.
- Hydraulically tested to withstand 2.5 times the working pressure.
- Steam boiler is fitted with water level indicator, pressure gauge, low water cut off device.
- This afford complete safety to the working personnel against explosive opening.
- An automatic vacuum breaker is fitted to all units as a standard accessory in order to break vacuum in case of steam condensation.
- The flanged immersion type heating element made from very high grade material provides fast formation of pressure in the system & are protected through a electric low water cut off device.
- The chamber is fitted with spring loaded safety valve & a dead weight release valve.
- Sterilization temperature : 120°C, 135°C.
- Suitable to work on 230 volts, single phase and 50Hz AC supply.

Model No.	10 x 18	12 x 15	12 x 18
Inner Dimension	250 x 450	300 x 375	300 x 450
Capacity	22 Litres	25 Litres	30 Litres
Heater Load	3 KW	3 KW	3 KW

### TECHNICAL SPECIFICATION

Gasket: made of joint less silicon rubber.  
 Exhaust pressure: manual through the exhaust valve  
 Sterilizing pressure: 1.2 to 1.5 kgf/cm<sup>2</sup> (15 to 20 psi) at 121°C  
 Operating pressure: from 15 psi to 20 psi  
 Pressure gauge: 0.2.1 kgf/cm<sup>2</sup> (30 psi)  
 Tubular stand and supporting ring: made of mild steel or stainless steel

- INCLUDING**
1. Vacuum Breaker
  2. Tray
  3. Water level indicator
  4. Fully automatic PID Purging System

- OPTIONAL**
- A. Vacuum Pump



## Vertical Double Walled Radial Locking Autoclave

- Inner chamber, outer chamber & support ring are fully made of stainless steel.
- Heaters cover stand & carrier/bucket are made of stainless steel.
- Lid made of thick machined stainless steel plate.
- Radial locking lid ensures user safety & safe locking.
- Lid is fitted with pressure gauge, spring loaded safety valve, double safety valve, manual exhaust valve, vacuum breaker as a safety device & water level indicator.
- Drain valve facilitates easy cleaning of the chamber.
- Moulded joint less silicon rubber gasket.
- All internal joints are argon arc welded, ground & polished to give crevice free internals.
- Miniature circuit breaker for mains on/off plus safety of control panel.
- Industrial grade energy efficient heaters reduce power bills drastically.



Fully SS Radial Locking

Model No.	10 x 18	12 x 20	14 x 22	16 x 24	18 x 24	22 x 30
Inner Dimension	250 x 450	300 x 500	350 x 550	400 x 600	450 x 600	550 x 750
Capacity	22 Litres	40 Litres	50 Litres	78 Litres	98 Litres	152 Litres
Heater Load	1.5 KW	2 KW	3 KW	4 KW	4 KW	5 KW

### TECHNICAL SPECIFICATION

Sterilizing Pressure=1.2kgf/cm<sup>2</sup> (15 psi) at 121°C  
 Operating Pressure= from 15 psi to 22 psi (adjustable)  
 Power Supply=220x230V AC, 50/60 Hz  
 Pressure Vessel= SS 304 Grade Stainless Steel  
 External Wall=SS 304 Grade Stainless Steel  
 Top Lid=SS 304 Grade Stainless Steel  
 Basket= SS 304 Grade Stainless Steel



SS Lining Radial Locking

### INCLUDING

1. Water Level Indicator
2. Stainless Steel Basket
3. Vacuum Breaker

### OPTIONAL

- A. Automatic pressure control switch.
- B. Automatic low water cut off system.
- C. Microprocessor based digital temperature indicator cum controller with set value and process value/digital timer.
- D. Microprocessor based digital temperature indicator cum controller with set value and process value/ timer and purging on/off fully automatic.

## Vertical Triple Walled High Pressure Radial Locking Autoclave

- Inner chamber, outer chamber and support ring are fully made of stainless steel.
- Heaters cover stand and carrier/bucket are made of stainless steel.
- Lid made of thick machined stainless steel plate.
- Radial locking lid ensures user safety and safe locking.
- Lid is fitted with pressure gauge, spring loaded safety valve, double safety valve, manual exhaust valve, vacuum breaker as a safety device and water level indicator.
- Drain valve facilitates easy cleaning of the chamber.
- Moulded joint less silicon rubber gasket.
- All internal joints are argon arc welded, ground and polished to give crevice free internals.
- Miniature circuit breaker for mains on/off plus safety of control panel.
- Industrial grade energy efficient heaters reduce power bill drastically.



Fully SS Radial Locking (Delux Model)

Model No.	10 x 18	12 x 20	14 x 22	16 x 24	18 x 24	22 x 30
Inner Dimension	250 x 450	300 x 500	350 x 550	400 x 600	450 x 600	550 x 750
Capacity	22 Litres	40 Litres	50 Litres	78 Litres	98 Litres	152 Litres
Heater Load	1.5 KW	2 KW	3 KW	4 KW	4 KW	5 KW

### TECHNICAL SPECIFICATION

Sterilizing pressure=1.2kgf/cm<sup>2</sup> (15 psi) at 121°C  
 Operating pressure= from 15 psi to 22 psi (adjustable)  
 Power supply=220x230V AC, 50/60 Hz  
 Pressure Vessel= SS 304 Grade Stainless Steel  
 External Wall=SS 304 Grade Stainless Steel  
 Top Lid=SS 304 Grade Stainless Steel  
 Basket= SS 304 Grade Stainless Steel

### INCLUDING

1. Water Level Indicator
2. Stainless Steel Basket
3. Vacuum Breaker

### OPTIONAL

- A. Automatic pressure control switch.
- B. Automatic low water cut off system.
- C. Microprocessor based digital temperature indicator cum controller with set value and process value/digital timer.
- D. Microprocessor based digital temperature indicator cum controller with set value and process value/ timer and purging on/off fully automatic.



SS Lining Radial Locking Model

## Vertical Triple Walled High Pressure Wing Nut Autoclave

- Inner chamber, outer chamber and support ring are fully made of stainless steel.
- Heaters cover stand and carrier/bucket are made of stainless steel.
- Lid made of thick machined stainless steel plate.
- Brass knobs ensures user safety and safe locking.
- Lid is fitted with pressure gauge, spring loaded safety valve, double safety valve, manual exhaust valve, vacuum breaker as a safety device and water level indicator.
- Drain valve facilitates easy cleaning of the chamber.
- Moulded joint less silicon rubber gasket.
- All internal joints are argon arc welded, ground and polished to give crevice free internals.
- Miniature circuit breaker for mains on/off plus safety of control panel.
- Industrial grade energy efficient heaters reduce power bill drastically.

Model No.	10 x 18	12 x 20	14 x 22	16 x 24	18 x 24	22 x 30
Inner Dimension	250 x 450	300 x 500	350 x 550	400 x 600	450 x 600	550 x 750
Capacity	22 Litres	40 Litres	50 Litres	78 Litres	98 Litres	152 Litres
Heater Load	1.5 KW	2 KW	3 KW	4 KW	4 KW	5 KW

### TECHNICAL SPECIFICATION

Sterilizing pressure=1.2kgf/cm<sup>2</sup> (15 psi) at 121°C  
 Operating pressure= from 15 psi to 22 psi (adjustable)  
 Power supply=220x230 AC, 50/60 Hz  
 Pressure Vessel= SS 304 Grade Stainless Steel  
 External Wall=SS 304 Grade Stainless Steel  
 Top Lid=SS 304 Grade Stainless Steel  
 Basket= SS 304 Grade Stainless Steel



Fully SS Wing Nut Model

- INCLUDING**
1. Water Level Indicator
  2. Stainless Steel Basket
  3. Vacuum Breaker

- OPTIONAL**
- A. Automatic pressure control switch.
  - B. Automatic low water cut off system.
  - C. Microprocessor based digital temperature indicator cum controller with set value and process value/digital timer.
  - D. Microprocessor based digital temperature indicator cum controller with set value and process value/ timer and purging on/off fully automatic.

## Vertical Double Walled Wing Nut Autoclave

- Inner chamber, outer chamber and support ring are fully made of stainless steel.
- Heaters cover stand and carrier/bucket are made of stainless steel.
- Lid made of thick machined stainless steel plate.
- Brass knobs ensures user safety and safe locking.
- Lid is fitted with pressure gauge, spring loaded safety valve, double safety valve, manual exhaust valve, vacuum breaker as a safety device and water level indicator.
- Drain valve facilitates easy cleaning of the chamber.
- Moulded joint less silicon rubber gasket.
- All internal joints are argon arc welded, ground and polished to give crevice free internals.
- Miniature circuit breaker for mains on/off plus safety of control panel.
- Industrial grade energy efficient heaters reduce power bill drastically.

Model No.	10 x 18	12 x 20	14 x 22	16 x 24	18 x 24	22 x 30
Inner Dimension	250 x 450	300 x 500	350 x 550	400 x 600	450 x 600	550 x 750
Capacity	22 Litres	40 Litres	50 Litres	78 Litres	98 Litres	152 Litres
Heater Load	1.5 KW	2 KW	3 KW	4 KW	4 KW	5 KW

### TECHNICAL SPECIFICATION

Sterilizing pressure=1.2kgf/cm<sup>2</sup> (15 psi) at 121°C  
 Operating pressure= from 15 psi to 22 psi (adjustable)  
 Power supply=220x230 AC, 50/60 Hz  
 Pressure Vessel= SS 304 Grade Stainless Steel  
 External Wall=SS 304 Grade Stainless Steel  
 Top Lid=SS 304 Grade Stainless Steel  
 Basket= SS 304 Grade Stainless Steel



Fully SS Wing Nut Model

### INCLUDING

1. Water Level Indicator
2. Stainless Steel Basket
3. Vacuum Breaker

### OPTIONAL

- A. Automatic pressure control switch.
- B. Automatic low water cut off system.
- C. Microprocessor based digital temperature indicator cum controller with set value and process value/digital timer.
- D. Microprocessor based digital temperature indicator cum controller with set value and process value/ timer and purging on/off fully automatic.

## Horizontal Cylindrical Triple Walled High Pressure Autoclave

- The inner/outer chamber, steam jacket and boiler are made of heavy gauge SS with leak proof argon arc welding.
- The space between the outer chamber and steam jacket is filled with glass wool to minimize thermal losses.
- Hydraulically tested to withstand 2.5 times the working pressure.
- Steam boiler is fitted with water level indicator, pressure gauge, low water cut off device and automatic pressure control devices. Fitted with safety valve as a safety device.
- Drain valve is fitted at the side bottom for easy draining/clearing.
- This affords a complete safety to the working personnel against explosive opening.
- Two separate valves are provided for evacuating steam from inner chamber and jacket as and when desired.
- Sterilization cycle is controlled by single point multiport valve.
- The chamber discharge line is fitted with a moisture trap to absorb the condensate automatically thus preventing moistening of the loaded material to be sterilized.
- An automatic vacuum breaker is fitted to all units as a standard accessory in order to break vacuum in case of steam condensation.
- The flanged immersion type heating element made from a very high grade material provide fast formation of pressure in the system and are protected through a electric low water level cut off device.
- All sterilizers are provided with triple safety features through a "Piezostate" (automatic pressure control system) and a spring loaded safety valve fitted to the boiler/steam generator.
- The chamber is fitted with spring loaded safety valve and a dead weight release valve.
- To work on 220/230 or 440 volts, 3 phase, 50 Hz AC supply.

Model No.	16 x 24	16 x 36	16 x 48	20 x 36	20 x 48
Inner Dimension	400 x 600	400 x 900	400 x 1200	500 x 900	500 x 1200
Capacity	78 Litres	115 Litres	162 Litres	165 Litres	221 Litres
Heater Load	6 KW	6 KW	9 KW	9 KW	9 KW

### TECHNICAL SPECIFICATION

Gasket: made of joint less silicon rubber.  
 Exhaust pressure: manual through the exhaust valve  
 Sterilizing pressure: 1.2 to 1.5 kgf/cm<sup>2</sup> (15 to 20 psi) at 121°C  
 Operating pressure: from 15 psi to 20 psi  
 Pressure gauge: 0.2.1 kgf/cm<sup>2</sup> (30 psi)  
 Tubular stand and supporting ring: made of mild steel or stainless steel  
 Pressure Vessel= SS 304 Grade Stainless Steel  
 External Wall=SS 304 Grade Stainless Steel  
 Top Lid=SS 304 Grade Stainless Steel  
 Basket= SS 304 Grade Stainless Steel

- INCLUDING**
1. Automatic pressure cut off switch
  2. Digital temperature indicator cum controller
  3. Vacuum breaker
  4. Water level indicator
  5. Automatic self locking system
  6. Automatic low water cut off switch
  7. Moisture trap

- OPTIONAL**
- A. Fully automatic PID purging system
  - B. Fully automatic system with HMI PLC based autoclave with data logger digital pressure indicator cum controller, digital temperature controlled system can be installed on order.
  - C. Multiport Valve



## Horizontal Cylindrical Triple Walled High Pressure Autoclave With Outer Square Body

- The inner/outer chamber, steam jacket and boiler are made of heavy gauge SS with leak proof argon arc welding.
- The space between the outer chamber and steam jacket is filled with glass wool to minimize thermal losses.
- Hydraulically tested to withstand 2.5 times the working pressure.
- Steam boiler is fitted with water level indicator, pressure gauge, low water cut off device and automatic pressure control devices. Fitted with safety valve as a safety device.
- Drain valve is fitted at the side bottom for easy draining/clearing.
- This affords a complete safety to the working personnel against explosive opening.
- Two separate valves are provided for evacuating steam from inner chamber and jacket as and when desired.
- Sterilization cycle is controlled by single point multiport valve.
- The chamber discharge line is fitted with a moisture trap to absorb the condensate automatically thus preventing moistening of the loaded material to be sterilized.
- An automatic vacuum breaker is fitted to all units as a standard accessory in order to break vacuum in case of steam condensation.
- The flanged immersion type heating element made from a very high grade material provide fast formation of pressure in the system and are protected through a electric low water level cut off device.
- All sterilizers are provided with triple safety features through a "Piezostate" (automatic pressure control system) and a spring loaded safety valve fitted to the boiler/steam generator.
- The chamber is fitted with spring loaded safety valve and a dead weight release valve.
- To work on 220/230 or 440 volts, 3 phase, 50 Hz AC supply.

Model No.	16 x 24	16 x 36	16 x 48	20 x 36	20 x 48
Inner Dimension	400 x 600	400 x 900	400 x 1200	500 x 900	500 x 1200
Capacity	78 Litres	115 Litres	162 Litres	165 Litres	221 Litres
Heater Load	6 KW	6 KW	9 KW	9 KW	9 KW

### TECHNICAL SPECIFICATION

Gasket: made of joint less silicon rubber.  
 Exhaust pressure: manual through the exhaust valve  
 Sterilizing pressure: 1.2 to 1.5 kgf/cm<sup>2</sup> (15 to 20 psi) at 121°C  
 Operating pressure: from 15 psi to 20 psi  
 Pressure gauge: 0.2.1 kgf/cm<sup>2</sup> (30 psi)  
 Tubular stand and supporting ring: made of mild steel or stainless steel  
 Pressure Vessel= SS 304 Grade Stainless Steel  
 External Wall=SS 304 Grade Stainless Steel  
 Top Lid=SS 304 Grade Stainless Steel  
 Basket= SS 304 Grade Stainless Steel

### INCLUDING

- Automatic pressure cut off switch
- Digital temperature indicator cum controller
- Vacuum breaker
- Water level indicator
- Automatic self locking system
- Automatic low water cut off switch
- Moisture trap
- Fully automatic system with HMI PLC based autoclave with data logger digital pressure indicator cum controller, digital temperature controlled system can be installed on order.
- Vacuum Pump



## Horizontal Rectangular High Pressure Autoclave

- The inner/outer chamber, steam jacket and boiler are made of heavy gauge SS with leak proof argon arc welding.
- The space between the outer chamber and steam jacket is filled with glass wool to minimize thermal losses.
- Hydraulically tested to withstand 2.5 times the working pressure.
- Steam boiler is fitted with water level indicator, pressure gauge, low water cut off device and automatic pressure control devices. Fitted with safety valve as a safety device.
- Drain valve is fitted at the side bottom for easy draining/clearing.
- This affords a complete safety to the working personnel against explosive opening.
- Two separate valves are provided for evacuating steam from inner chamber and jacket as and when desired.
- Sterilization cycle is controlled by single point multiport valve.
- The chamber discharge line is fitted with a moisture trap to absorb the condensate automatically thus preventing moistening of the loaded material to be sterilized.
- An automatic vacuum breaker is fitted to all units as a standard accessory in order to break vacuum in case of steam condensation.
- The flanged immersion type heating element made from a very high grade material provide fast formation of pressure in the system and are protected through a electric low water level cut off device.
- All sterilizers are provided with triple safety features through a "Piezostate" (automatic pressure control system) and a spring loaded safety valve fitted to the boiler/steam generator.
- The chamber is fitted with spring loaded safety valve and a dead weight release valve.
- To work on 220/230 or 440 volts, 3 phase, 50 Hz AC supply.

Model No.	18 x 18 x 36	18 x 24 x 36	24 x 24 x 30	24 x 24 x 48
Inner Dimension	450 x 450 x 900	450 x 600 x 900	600 x 600 x 900	600 x 600 x 1200
Capacity	180 Litres	240 Litres	320 Litres	430 Litres
Heater Load	12 KW	12 KW	18 KW	18 KW

### TECHNICAL SPECIFICATION

Gasket: made of joint less silicon rubber.  
 Exhaust pressure: manual through the exhaust valve  
 Sterilizing pressure: 1.2 to 1.5 kgf/cm<sup>2</sup> (15 to 20 psi) at 121°C  
 Operating pressure: from 15 psi to 20 psi  
 Pressure gauge: 0.2.1 kgf/cm<sup>2</sup> (30 psi)  
 Tubular stand and supporting ring: made of mild steel or stainless steel  
 Pressure Vessel= SS 304 Grade Stainless Steel  
 External Wall=SS 304 Grade Stainless Steel  
 Top Lid=SS 304 Grade Stainless Steel  
 Basket= SS 304 Grade Stainless Steel

INCLUDING

1. Automatic pressure cut off switch
2. Digital temperature indicator cum controller
3. Vacuum breaker
4. Water level indicator
5. Automatic self locking system
6. Automatic low water cut off switch
7. Moisture trap

OPTIONAL

- A. Fully automatic PID purging system
- B. Fully automatic system with HMI PLC based autoclave with data logger digital pressure indicator cum controller, digital temperature controlled system can be installed on order.
- C. Multiport Valve





### Vertical Square Body Double Walled Autoclave

- Inner chamber, outer chamber and support ring are fully made of stainless steel.
- Heaters cover stand and carrier/bucket are made of stainless steel.
- Lid made of thick machined stainless steel plate.
- Radial locking lid ensures user safety and safe locking.
- Lid is fitted with pressure gauge, spring loaded safety valve, double safety valve, manual exhaust valve, vacuum breaker as a safety device and water level indicator.
- Drain valve facilitates easy cleaning of the chamber.
- Moulded joint less silicon rubber gasket.
- All internal joints are argon arc welded, ground and polished to give crevice free internals.
- Miniature circuit breaker for mains on/off plus safety of control panel.
- Industrial grade energy efficient heaters reduce power bill drastically.

Model No.	10 x 18	12 x 20	14 x 22	16 x 24	18 x 24	22 x 30
Inner Dimension	250 x 450	300 x 500	350 x 550	400 x 600	450 x 600	550 x 750
Capacity	22 Litres	40 Litres	50 Litres	78 Litres	98 Litres	152 Litres
Heater Load	1.5 KW	2 KW	3 KW	4 KW	4 KW	5 KW

### TECHNICAL SPECIFICATION

Sterilizing pressure=1.2kgf/cm<sup>2</sup> (15 psi) at 121°C  
Operating pressure= from 15 psi to 22 psi (adjustable)  
Power supply=220x230 AC, 50/60 Hz Pressure Vessel= SS 304 Grade Stainless Steel  
External Wall=SS 304 Grade Stainless Steel  
Top Lid=SS 304 Grade Stainless Steel  
Basket= SS 304 Grade Stainless Steel

### INCLUDING

1. Water Level Indicator.
2. Stainless Steel Basket.
3. Vacuum Breaker.
4. Automatic pressure control switch.
5. Automatic low water cut off switch.
6. Fully automatic PID purging system.



