



SURGICAL & SCIENTIFIC EQUIPMENTS

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**Conica Enterprises**

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# **HOSPITAL VERTICAL HIGH PRESSURE AUTOCLAVE (MICROPROCESSOR)**

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**HOSPITAL VERTICAL HIGH PRESSURE STEAM STERILIZER WITH CENTRAL-LOCKING AND MICRO  
PROCESSOR CONTROLÂ (Item code 1044)**

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A Modern **Hospital- Use Vertical** high pressure steam sterilizer with **Central Locking System**. Lid of diameter 12" and 16", manufactured by Conica Enterprises.

CONICA vertical sterilizer made out of total medical grade stainless steel (16Gage) and top lid is Die pressed thick solid S.S. plate. And polished for the elegant appearance.. Equipped with steam release valve and drain cock. Specially designed heat resistant gasket. New type of **element of 3Kw** is covered by removable cover to protect against electric shock. **Spring-loaded SAFETY VALVE is provided for steam exhaust as an extra safety means in addition to the presence of an electric pressure-switch(microprocessor-based).**

**CONICA vertical sterilizer is equipped with automatic controls and safeguards to manage daily sterilization in the Hospital along with saving electricity.**

**CONICA vertical sterilizer is equipped with low water level cut off system. When water level falls down the equipment automatically cuts power supply to protect the elements from burning out dry. Also, in such circumstance, appropriate pilot lamp lights up and alarm is sounded to denote the paucity of water in side the Autoclave.**

**CONICA vertical sterilizer has thermal-control device (MICROPROCESSOR CONTROLLED) (digital temperature - pressure controller) incorporated. It economizes on power consumption since it cuts off the power supply to heaters when the pressure is achieved at 20psi and 126 degrees Celsius and re-energies the heating elements when pressure falls below the set point.**

CONICA vertical sterilizer's front panel is provided with pilot lamps to indicate the various phases of the sterilizing cycle and Alarm buzzer to denote of the completion of the sterilization cycle.

Provision has been made for digitally entering (feeding) a single custom programme characterised by custom settings of Temperature and Sterilisation Time into the electronic control system (microprocessor) of the device. These settings can be easily and simply altered by the operator at will according as the type of load intended to be sterilized.

All phases of the cycle (MICROPROCESSOR CONTROLLED) such as steam generation process, auto air-purging phase, sterilization and auto steam-exhaust phase proceed automatically and can be easily MONITORED. At any time during the cycle the operator can appraise of the current (present) Temperature, the remaining sterilization or drying time, the successive phases and the water level by means of the alphanumeric display. If any abnormal condition occurs, error messages are depicted via audible alarm as well as the alphanumeric display, thanks to the self-diagnostic function of the microprocessor software.

The autoclave features an in built air-purging system controlled by the microprocessor which affords reasonably reliable air-purging for effective Air-Removal during the sterilization phase. Presence of air inside the sterilizing chamber during the sterilization phase is detrimental to the quality of sterilization because it hampers uniform distribution of steam and heat. Air is a poorer conductor of heat than steam and dry air has much less spore-killing power than steam.

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Â	ITEM CODE NUMBER		
PARAMETER	1044-A	1044-B	1044-C
CHAMBER SIZE (in mm)	300x500	400x600	450x750
CHAMBER CAPACITY	37 Litres	79 Litres	125 Litres
DOOR LOCKING SYSTEM	Radial	Radial	Radial
LID LIFTING SYSTEM	Foot Lifting	Foot Lifting	Foot Lifting
SAFETY VALVE SETTING	25 Psi	25 Psi	25 Psi
HIGH PRESSURE SAFETY	Micro Processor	Micro Processor	Micro Processor
HIGH TEMPERATURE SAFETY CUT-OFF	Micro Processor	Micro Processor	Micro Processor
AIR PURGING	Micro Processor	Micro Processor	Micro Processor
STEAM EXHAUST	Micro Processor	Micro Processor	Micro Processor
STERILIZATION PRESSURE	20 Psi	20 Psi	20 Psi
STERILIZATION TEMPERATURE	126-Degree C	126 Degree C	126 Degree C
STERILIZATION TIMER	5-99 min	5-99 min	5-99 min
PRESSURE DISPLAY	Aneroid Type	Aneroid Type	Aneroid Type
TEMPERATURE DISPLAY	Digital	Digital	Digital

<b>OVERHEAT AND CUT-OFF</b>	Microprocessor	Microprocessor	Microprocessor
<b>READY CYCLE (COMPLETION)</b>	Microprocessor	Microprocessor	Microprocessor
<b>LOW WATER LEVEL CUT-OFF</b>	Microprocessor	Microprocessor	Microprocessor
<b>ELECTRICAL SUPPLY VOLTAGE</b>	230V	230V	230V
<b>POWER CONSUMPTION</b>	3 KW	6 KW	9 KW

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[Vendor Information](#)