

# STERICA®

## STERILIZERS



IS 3829  
CML - 6700063210  
Part 1



IS 3829  
CML - 6700028916  
Part 3



## About Us

Established in **1986**, based out of Chennai, the **Solokrafts Group** has emerged as one of the **leading manufacturers** of Medical Sterilizers, Hospital Beds & Furniture and Hospital Hollowware. Besides this, the company is authorized distributor of leading global Medical Equipment manufacturers for Ultrasound Color Doppler and Patient Monitoring & Life Saving Systems

With more than 30 years of customer relationship and experience, we are recognized as one of the most trusted and favoured companies in healthcare industry. Our customers include leading private & government hospitals, institutions, distributors and exporters spread across India

The **Quality Assurance** system followed by us ensures that our customers are satisfied with the products and services. Our Company has latest ISO 9001 and ISO 13485 certification; our products conform to and certified by National and International Quality Standards organizations like Bureau of Indian Standards (BIS) and CE

Supported and strengthened by the wealth of qualified & highly motivated human resources, robust infrastructure, vast experience, market goodwill and continuous product innovation & development, we continue to serve as one of the leading contributors to healthcare industry in India

We are proud to present here in this catalogue some of the STERICA® brand Medical Sterilizers (Autoclaves) manufactured by us. Please do get back to us for your requirements or further information

We also manufacture:

### **Horizontal Rectangular Steam Sterilizer- Single/Double Door Biomedical Waste Autoclave**

(please ask for separate catalogue)

### **Quality Assurance Certification:**

ISO 9001: 2015

ISO 13485: 2016

ISO 14001: 2015

OHSAS 18001: 2007

### **Standards Certification:**

Bureau of Indian Standards (BIS)

IS 3829: (Part 1)

IS 3829: (Part 2)

IS 3829: (Part 3)

EU Conformity Certificate (CE)

IEC 60601

### **Disclaimer:**

The product pictures, description, specification, models, accessories given in this catalogue are subject to change due to continuous improvement in design and features. Utmost care is taken to present this catalogue, however it does not imply to be an offer. No liability or claim can be construed based on catalogue. Please ask for separate written offer to suit your requirement

# HORIZONTAL CYLINDRICAL HIGH PRESSURE STEAM STERILIZER - AUTOMATIC



Available in Single & Double Door

## BIS - ISI MARKED

### Construction

**Triple walled unit**, the sterilizer consists of a chamber with steam jacket and outer insulation cover.

### Door

Single Door hinge type with radial locking system.

### Door Gasket

Expandable type Silicone rubber gasket

### Material of Construction

Steam Sterilizer Chamber, Jacket, Door, Radial Locking Arm, Outer Insulation Cover, Pipelines, Steam Generator all are made out of heavy gauge SS 304/316 grade Stainless Steel

### Readings

**Working Pressure:** 1.2 kgf/cm<sup>2</sup> & 2.1 kgf/cm<sup>2</sup>

**Working Temperature:** 121°C & 134°C

**Power Supply:** 440 V, 3 Phase, 50 Hz AC Supply

### Features of Automatic Sterilizer

- ◆ Automatic operation by PLC based microprocessor which is incorporated with the sterilizer
- ◆ Comes with up to six different settings of program cycle
- ◆ Suitable alarm provided at the end of sterilization
- ◆ Digital display for pressure, temperature, power failure, low water, working time, end of sterilization

### Standard features

Vacuum drying, chamber condensate line with steam trap & chuck valve, dial thermometer, pressure gauges for steam generator and jacket, compound gauge for chamber, sight glass, stainless steel perforated tray, expandable silicone gasket

### Safety devices

Pressure switch, safety valves, self locking of door when chamber is under pressure, vacuum breaker, low water level cut-off

### Safety features

Door locking facility, Low water protection system, pressure cut off and other necessary safety features

### Hydrostatic test

Hydraulically tested chamber up to 2 times the working pressure and jacket up to 2.5 times the working pressure

### Standards

BIS - IS 3829: (Part 1) & (Part 2) Latest Edition with ISI mark for High Speed Steam Sterilizers

### Documentation

User manual, Warranty certificate, Hydraulic test certificate, Material test certificate, Calibration certificate

### Optional

Double Door, Vacuum Pump, Feeder Pump, HMI, Printer, Flash Mount and Control Panel

MODEL	DESCRIPTION	CHAMBER SIZE (mm)	VOLUME	STANDARD LOAD	HIGH SPEED LOAD
HAC 1624 SD SA	Horizontal Cylindrical Semi Automatic Single Door	400 Dia x 600 L	75 Ltr	9 kW	12 kW
HAC 1648 SD SA	Horizontal Cylindrical Semi Automatic Single Door	400 Dia x 1200 L	150 Ltr	9 kW	
HAC 2048 SD SA	Horizontal Cylindrical Semi Automatic Single Door	500 Dia x 1200 L	235 Ltr	12 kW	
HAC 2448 SD SA	Horizontal Cylindrical Semi Automatic Single Door	600 Dia x 1200 L	340 Ltr	18 kW	

Note: Customized sizes made against order

# HORIZONTAL CYLINDRICAL HIGH PRESSURE STEAM STERILIZER - MANUAL

**STERICA**<sup>®</sup>  
STERILIZERS



IS 3829  
CML - 670063210  
Part 1

IS 3829  
CML - 670029008  
Part 2

Available in Single & Double Door

## BIS - ISI MARKED

### Construction

**Triple walled unit**, the sterilizer consists of a chamber with steam jacket and outer insulation cover.

### Door

Single Door hinge type with radial locking system.

### Door Gasket

Expandable type Silicone rubber gasket

### Material of Construction

Steam Sterilizer Chamber, Jacket, Door, Radial Locking Arm, Outer Insulation Cover, Pipelines, Steam Generator all are made out of heavy gauge SS 304/316 grade Stainless Steel

### Readings

**Working Pressure:** 1.2 kgf/cm<sup>2</sup> & 2.1 kgf/cm<sup>2</sup>

**Working Temperature:** 121°C & 134°C

**Power Supply:** 440 V, 3 Phase, 50 Hz AC Supply

### Optional

Double Door, Vacuum Pump and Feeder Pump

### Standard features

Multiport valve, vacuum drying, chamber condensate line with steam trap & chuck valve, dial thermometer, pressure gauges for steam generator & jacket, compound gauge for chamber, sight glass, stainless steel perforated tray, expandable silicone gasket

### Safety devices

Pressure switch, safety valves, self locking of door when chamber is under pressure, vacuum breaker, low water level cut-off

### Safety features

Door locking facility, Low water protection system, Pressure cut off and other necessary safety features

### Hydrostatic test

Hydraulically tested chamber up to 2 times the working pressure and jacket up to 2.5 times the working pressure

### Standards

BIS - IS 3829: (Part 1) & (Part 2) Latest Edition with ISI mark for High Speed Steam Sterilizers

### Documentation

User manual, Warranty certificate, Hydraulic test certificate, Material test certificate, Calibration certificate

MODEL	DESCRIPTION	CHAMBER SIZE (mm)	VOLUME	STANDARD LOAD	HIGH SPEED LOAD
HAC 1624 SD	Horizontal Cylindrical Manual Single Door	400 Dia x 600 L	75 Ltr	9 kW	12 kW
HAC 1648 SD	Horizontal Cylindrical Manual Single Door	400 Dia x 1200 L	150 Ltr	9 kW	
HAC 2048 SD	Horizontal Cylindrical Manual Single Door	500 Dia x 1200 L	235 Ltr	12 kW	
HAC 2448 SD	Horizontal Cylindrical Manual Single Door	600 Dia x 1200 L	340 Ltr	18 kW	

Note: Customized sizes made against order

# VERTICAL HIGH PRESSURE STEAM STERILIZER WITH STEAM STORAGE - AUTOMATIC & MANUAL



VAC 1624 ST Auto - Automatic



VAC 1624 ST - Manual

## BIS - ISI MARKED

### Construction

**Triple walled unit**, the sterilizer consists of a chamber with steam jacket and outer insulation cover - all are made of heavy gauge SS 304/316 grade stainless steel

### Drying System

Mechanical ejector system for drying the working chamber

### Readings

**Working Pressure:** 1.2 kgf/cm<sup>2</sup>

**Working Temperature:** 121°C

**Power Supply:** 440 V, 3 Phase, 50 Hz AC Supply  
(optional: 230 V, 1 Phase, 50 Hz AC Supply)

### Features of Automatic Sterilizer

- ◆ Manufactured in accordance with IS:3829 (Part 3) standards - for applicable models
- ◆ Automatic PLC based control system
- ◆ Sterilization pressure, temperature and drying time can be adjusted
- ◆ Automatic sterilization by pre-programming the cycle
- ◆ Digital display for pressure, temperature, power failure, low water, working time, end of sterilization

### Optional

Guide wire attachment  
**Radial Locking System**

### Steam Storage (Unique Feature)

Subsequent sterilization can be in quick succession as steam generated is retained even when the load chamber is opened

### Standard features

Chamber condensate line with solenoid valve, steam trap, NRV, steam release valve, pressure gauge, compound gauge, thermometer, sight glass, silicone gasket

### Safety devices

Pressure switch, safety valves, vacuum breaker, low water level cut-off

### Hydrostatic test

Hydraulically tested chamber up to 1.5 times the working pressure and jacket up to 2 times the working pressure

### Standards

BIS - IS 3829: (Part 3) Latest Edition with ISI mark for High Speed Steam Sterilizers

### Documentation

User manual, Warranty certificate, Hydraulic test certificate, Material test certificate, Calibration certificate

MODEL	DESCRIPTION	CHAMBER SIZE (mm)	VOLUME	LOAD
VAC 1624 ST Auto	Vertical, High Pressure, Triple Walled, Steam Storage with PLC Controlled Temperature, Low water Cut-off, Timer, Alarm	400 Dia x 600 H	75 Ltr	6 kW
VAC 1624 ST	Vertical, High Pressure, Triple Walled, Steam Storage with Pressure Switch, Low water Cut-off	400 Dia x 600 H	75 Ltr	6 kW

Note: Customized sizes made against order

# VERTICAL - TRIPLE WALLED HIGH PRESSURE STEAM STERILIZER

**STERICA**<sup>®</sup>  
STERILIZERS



VAC 1624 Auto - Automatic



VAC 1624 Deluxe Auto Cut-off



VAC 1624 Economy

## Construction

**Triple walled unit** has steam jacket, working chamber, outer insulation cover - all are made of heavy gauge SS 304 grade Stainless Steel

## Readings

**Working Pressure:** 1.2 kgf/cm<sup>2</sup>

**Working Temperature:** 121°C

**Power Supply:** 230 V, 1 Phase, 50 Hz AC Supply  
(optional: 440 V, 3 Phase, 50 Hz AC Supply)

## Features of Automatic Sterilizer

- ◆ Fully automatic PLC based control system
- ◆ Numeric keyboard 2 line display +6 keys
- ◆ Sterilization pressure, temperature and drying time can be adjusted
- ◆ Automatic sterilization by pre-programming the cycle
- ◆ Alarm for end of sterilization cycle

## Optional

Guide wire attachment  
Radial Locking System

## Standard features

Solenoid valve, release valves, pressure gauge, sight glass, silicone gasket

## Safety devices

Pressure switch, safety valves, vacuum breaker, low water level cut-off

## Hydrostatic test

Hydraulically tested chamber up to 1.5 times the working pressure and jacket up to 2 times the working pressure

## Documentation

User manual, Warranty certificate, Hydraulic test certificate, Material test certificate, Calibration certificate

MODEL	DESCRIPTION	CHAMBER SIZE (mm)	VOLUME	LOAD
VAC 1624 Auto	Vertical, High Pressure, Triple Walled, with Automatic PLC Control System, with Pressure Cut-off & Low Water Level Cut-off	400 Dia x 600 H	75 Ltr	6 kW
VAC 1624 Deluxe	Vertical, High Pressure, Triple Walled, with Pressure Cut-off & Low Water Level Cut-off	400 Dia x 600 H	75 Ltr	6 kW
VAC 1624 Economy	Vertical, Triple Walled, Basic	400 Dia x 600 H	75 Ltr	6 kW

Note: Customized sizes made against order

## VERTICAL STEAM STERILIZER - DOUBLE WALLED

### Construction

The unit has steam pressure vessel and insulation cover in stainless steel

### Standard features

Steam release valve , pressure gauge, water outlet, stainless steel inner stand, silicon gasket

### Safety devices

Safety valve, Weight valve

### Readings

**Working Pressure:** 15 psi

**Working Temperature:** 121°C

**Power Supply:** 230 V, 1 Phase, 50 Hz AC Supply

### Optional

PLC Controlled Temperature, Low WATER Level Cut-off, Timer, Alarm, Foot Pedal, Inner Container



MODEL	DESCRIPTION	CHAMBER SIZE (mm)	VOLUME	LOAD
VAC 1624 Basic	Vertical, Double Walled, Basic	400 Dia x 600 H	75 Ltr	6 kW
VAC 1220 Basic	Vertical, Double Walled, Basic	300 Dia x 500 H	35 Ltr	3 kW

## RADIAL LOCKING SYSTEM (For Vertical Sterilizer)

### Construction

Radial locking door comes with foot pedal operation

### Material of Construction

Radial lock is made of gun metal with hot chrome coating

Radial locking arm, door lid, end ring, shooting rod and hinges are made of SS 304/316 grade.

### Optional Safety Features

Positive Self Locking Mechanism - self locking of door when chamber is under pressure,



### 'SURGICA' Sterilizing Drums



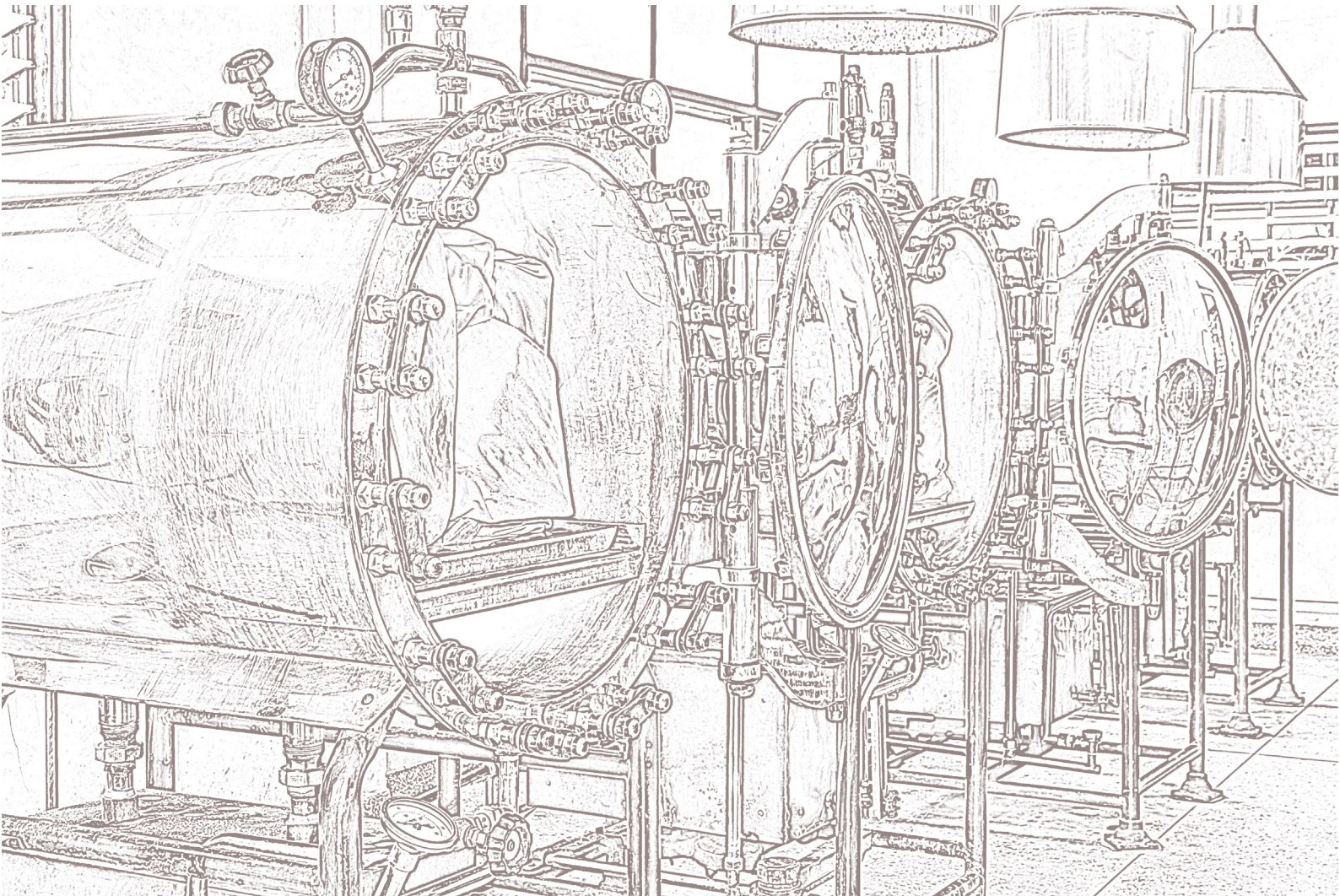
### 'STERICON' Sterilizing Containers



\* Available in different sizes as per user specification

# STERICA®

## STERILIZERS



STERICA® Sterilizers manufactured by :



*Contributing Value to Healthcare Since 1986*

Products are on display at all **Surgical Avenue** showrooms

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All Products Catalog



*Pictures and specifications shown in this catalogue are illustrative of standard models.  
The supplied product will be according to ordered design and specification.  
All dimensions and capacities shown above are subject to standard tolerance, other sizes and customization available on request.*