



Effortless sterilization for a happy and efficient CSSD

with the RDS series of autoclave sterilizers

RDS  **SERIES**



State of the art Technology

Safe, reliable, cost-effective

A happy and efficient CSSD, is crucial to the success of a well run theatre in any hospital. We provide you with the solutions you need.

We have a long history of expertise in the field of sterile processing. The RDS series of autoclaves have been designed with the input from the very best engineers, metallurgists and inspection authorities. Our autoclaves features robust technology and meets all applicable standards. Our modern design is specifically intended for the materials found in modern theatre settings.

The design and high quality manufacturing process ensures that each and every autoclave is delivered exactly to specification and will ensure that every load is fully sterilized and dried in the shortest amount of time, using the least amount of energy and water. Less time for increased productivity, and less energy for further cost savings.

A happy and effective Sterile Department

With the ever rising budgetary challenges, Healthcare organizations must balance quality care and cost pressures. We understand your challenges, and provide complete solutions to help you meet these needs in your sterile processing department.

Designed to specification

Meeting your needs in the most demanding applications and settings

User friendly design and operation

Easy to use and operate, comes standard with a touch screen HMI panel for effortless cycle selection

Large variety of chamber sizes available

We offer a wide variety of chamber sizes to meet your exact requirements. Our standard sizes are 160-, 200-, 400-, and 600 litres. We also have a range of flash, and vertical autoclaves available that are ready for service

Reliable and cost-effective

We are so confident in the reliability of our machines that we are one of the only autoclave manufacturers that offer a standard 7-year warranty on the chamber of our machines. We are also able to supply international quality at local prices.

Designed with energy efficiency in mind

Completing the job with the least amount of scarce natural resources possible to help in the fight against climate change. Our Autoclaves use as little as 25 litres of water per cycle and comes standard with a built-in energy savings function.

Speedy processing time

The RDS autoclave feature optimal cycle times for precise sterilization and reduced energy consumption.

Safety as a Top priority

The RDS series of autoclaves complies with the most stringent of safety standards, from design to manufacturing and installation. All our autoclaves are manufactured to the latest SANS347:2012 and ISO13485:2016 standards.

Wide range of applications

Our autoclaves are used in a very wide range of applications and can be customized to suit your precise needs, including hospital, theatre, CSSD, laboratory as well as specialized applications in pharmaceutical manufacturing and processing.



RDS Flash/Pack Autoclave Illustration

Available in both single-door and pass-through double-door configurations.

Ultra smart OMRON PLC controlled offering a range of precise cycles & programs

LDX2101 Duplex construction

The acid-proof stainless steel chambers and steam jackets are extremely resistant to the effects of chloride. The channelled design allows for proper drying of the steam, allowing for improved drying during a cycle.

Clear touchscreen display

The RDS series features a high-resolution, user-friendly touch interface. Allowing a clear overview at different angles in the control area. This gives the end user all necessary information on one vivid colour interface.

Space-saving door construction

The continuous chain operated door system eliminates the risk of the door falling out of its rails, and the Control System monitors for faults.

Easy installation

The compact footprint allows for easy installation by our qualified technical staff. We offer a range of configurations.

Easy access for service

All components are easily accessible for maintenance. They can be accessed from both the side and from the hinged front, which opens completely.

Smart loading equipment

Our machines come standard with internal and external loading trolleys for ease of use. Designed specifically for each application.



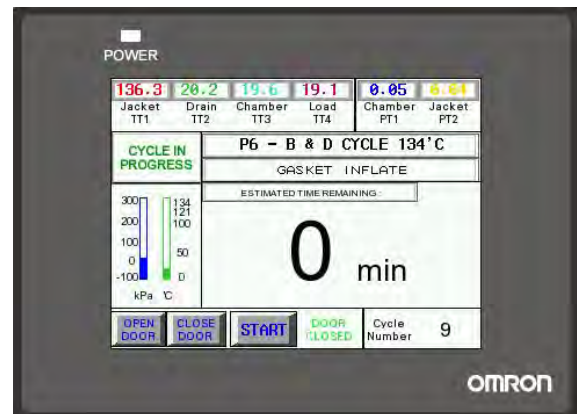
High precision sterilization

Effortless operation

The OMRON PLC is a control system you can rely on. It provides precise sterilization settings.

Accuracy you can rely on

The OMRON PLC is an intuitive control unit, guaranteeing precise and dependable sterilization processes. It eliminates excessive high temperatures that lead to energy wastage, product damage, or the risk of superheated steam jeopardizing sterilization. Furthermore, it promptly alerts users in the event of a temperature drop. In essence, this control system is a trustworthy and reliable solution.



OMRON PLC HMI Touch Interface

Programs

The OMRON PLC comes equipped with a variety of programs, offering the flexibility of a full range of cycle combinations to satisfy just about every demand.

The following cycle types are available:

- Packs at 121, and 134 degrees Celsius
- Liquids at 121 degrees Celsius
- Bowie & Dicks Test
- Vacuum Leak Test
- Containers at 134 degrees Celsius
- Flash/Instruments

Sustainable manufacturing

Better for you and our planet



At RDS, our dedication lies in fostering a sustainable society. We strive to make a positive impact by maximizing energy and natural resource efficiency while minimizing the environmental repercussions of our waste management practices.

Our commitment to the environment goes beyond mere product delivery. We prioritize eco-effectiveness by conscientiously addressing environmental considerations throughout the entire lifecycle. This holistic approach encompasses product development, administration, production, distribution, intended product use, and ultimately, responsible product disposal

Lower water & energy consumption

Our primary environmental goal is to manufacture sterilizers that consume minimal energy and have a reduced climate impact. A prime illustration of our commitment is the RDS series of autoclaves, which exemplify our utilization of intelligent technological solutions to maintain low energy consumption levels.

Our machines have been proven to use as little as 25 liters of water per cycle, and we constantly working on ways to reduce our footprint even more.



Efficient data management

Ensures a streamlined workflow and accountability

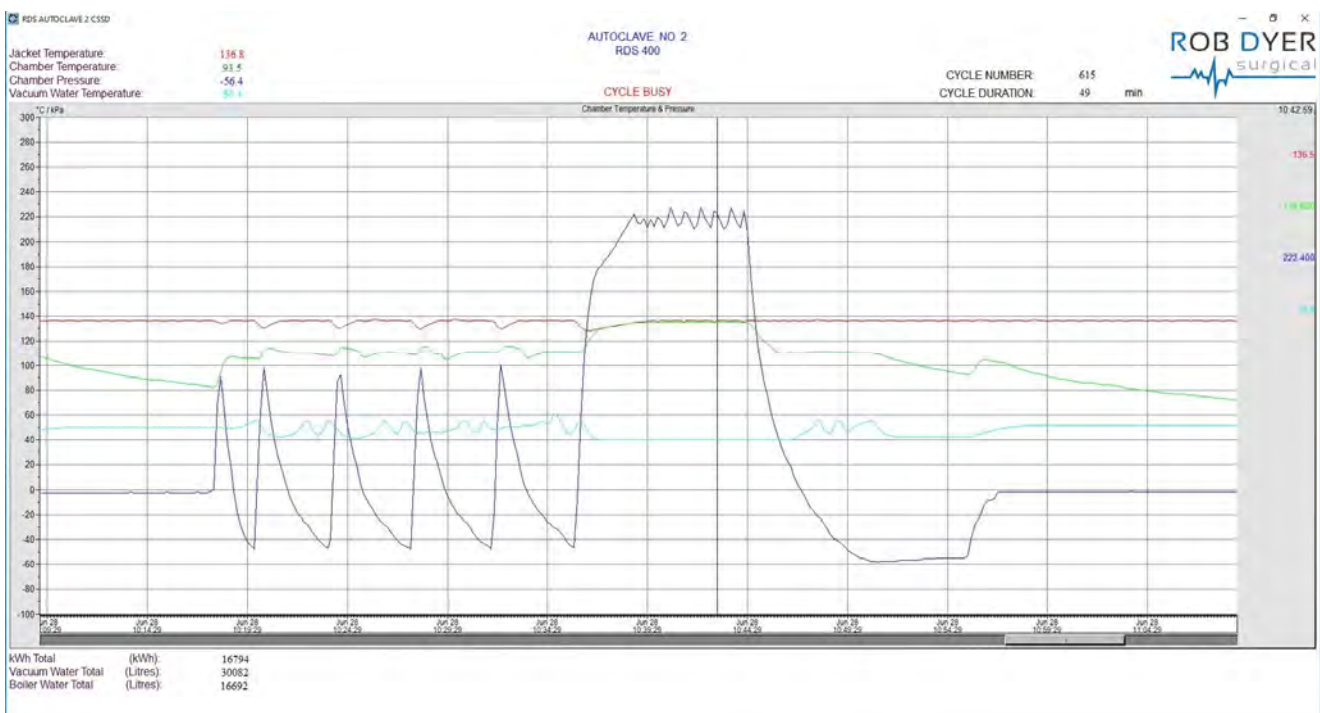
The best practices of your CSSD are at the forefront of the continuous fight against hospital-acquired infections (HAIs). The efficient documentation and retrieval of sterility data play a crucial role in instilling confidence in regulatory agencies, accreditation organizations, and an increasingly well-informed public.

Access data on demand

The optional RDS Online is your personal web portal that delivers on-demand access to equipment data from your computer, smartphone or tablet. This online tool provides real-time and historical performance data, ensuring each load is sterilized to the required parameters. The system can send notifications on cycle completion as well as when fault events occur.

Capture and store real-time cycle data

The RDS Online system offers the user with the ability to capture and store real-time cycle data and allows for reporting on equipment performance and status from a remote location. This is a valuable source of information for CSSD managers and hospital administrators to help quickly remediate any issues, improve production planning, and to verify compliance to relevant regulations.



Technical data



Chamber volume, size & material

Model	Chamber Capacity (L)	Steam Generator Capacity (L)	Chamber Material
RDS 30	30L	25L	316L SS
RDS 60	60L	35L	LDX2101 DUPLEX
RDS 90	90L	50L	LDX2101 DUPLEX
RDS 160	160L	50L	LDX2101 DUPLEX
RDS 200	200L	50L	LDX2101 DUPLEX
RDS 400	400L	50L	LDX2101 DUPLEX
RDS 600	600L	50L	LDX2101 DUPLEX
RDS 1200	1200L	100L	LDX2101 DUPLEX

Door, Jacket & Application Type

Model	Door Type	Jacket Material	Application Type
RDS 30	Hinged Door Manual	N/A	Ideal Flash Autoclave in Sterile setup room
RDS 60	Hinged Door Manual or Vertical Sliding	316L or LDX2101 DUPLEX	Ideal Flash Autoclave in Sterile setup room
RDS 90	Hinged Door Manual or Vertical Sliding	316L or LDX2101 DUPLEX	Ideal Flash Autoclave in Sterile setup room
RDS 160	Manual or Automatic Vertical Sliding Door	316L or LDX2101 DUPLEX	Packs/Flash Autoclave
RDS 200	Manual or Automatic Vertical Sliding Door	316L or LDX2101 DUPLEX	Packs/Flash Autoclave
RDS 400	Automatic Sliding Door	316L or LDX2101 DUPLEX	Lab/Packs/Prion/Liquid/Containers/Media /Bio Labs – Vaccination etc.
RDS 600	Automatic Sliding Door	316L or LDX2101 DUPLEX	Lab/Packs/Prion/Liquid/Containers/Media /Bio Labs – Vaccination etc.
RDS 1200	Automatic Sliding Door	316L or LDX2101 DUPLEX	Lab/Packs/Prion/Liquid/Containers/Media /Bio Labs – Vaccination etc.



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