

Surdry Retorts

Sterilization technology for
food and beverages

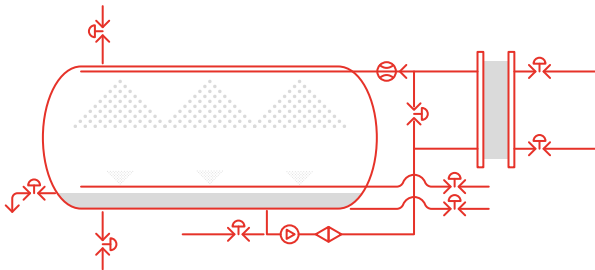


Batch Retorts

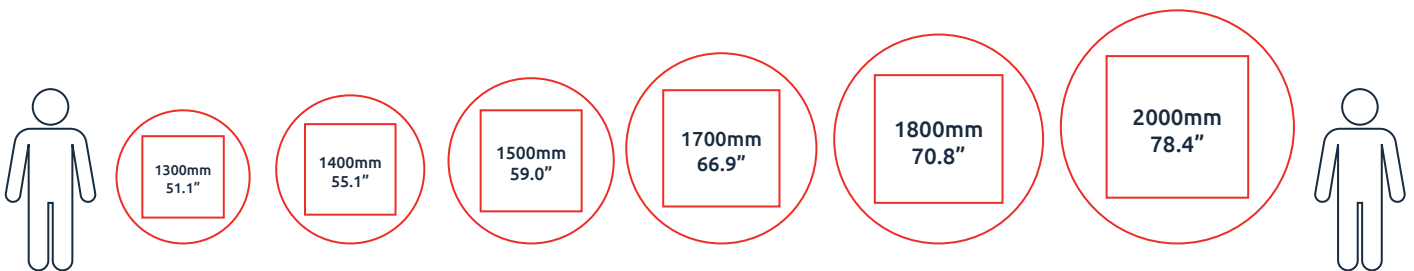
Surdy Steam & Water Spray Technology (SWS)

Surdy retorts are designed to sterilize your products in any type of container, being especially beneficial for flexible packages. The spray water bars system on the top and sides of the retort chamber ensure a uniform temperature distribution throughout the load.

- Direct steam injection heating provides the safest process repeatability with minimum maintenance.
- Perfect package integrity by accurate steam-air pressure control.
- Temperature distribution uniformity to +/- 0.5 °C or less, with 0.1 °C and 0.01 bar display accuracy.
- Cooling via plate heat exchanger allows clean water recovery either to re-use via cooling tower or other warm water uses in the plant.



Wide range of retort diameters and lengths



Regular production models



Lengths from 1 to 10 mts, 1 to 8 baskets



Product portfolio



Static

SWS Highest production capacity with no agitation.



Rotary

Full 360° rotation.
High angle of oscillation.



Oscillating

15° Angle oscillation.
Higher capacity.



Static Pilot

SWS Recipe development with no agitation.



Rotary Pilot

Full 360° rotation.
High angle of oscillation.



Multimode Pilot

Multiple process modes.

Retort Features

- Construction in stainless steel AISI/ASTM/ ASME 304L.
- Design, manufacturing, and control in accordance with all international standards.
- Sundry shop is certified to manufacture in accordance with CE (European Community), ASME "U" (USA) and SELO (China).

Options

- Rotary and oscillating mechanisms to agitate heat sensitive products.
- Hybrid process mode: Saturated steam and SWS.
- Automatic swing or vertical doors.
- Double door version.
- Internal conveyor for basket transport inside the retort.
- Multiple spray bar arrangements for different package loading types.
- FDA 21 CFR Part 11 compliant controls for electronic instead of paper record keeping.
- Central Control Desk for remote control of multiple retorts.
- Heat and water recovery systems.

Retorts you can trust



+1000

Autoclaves
in operation

+300

Customers

+60

Countries

+40

Years of
experience