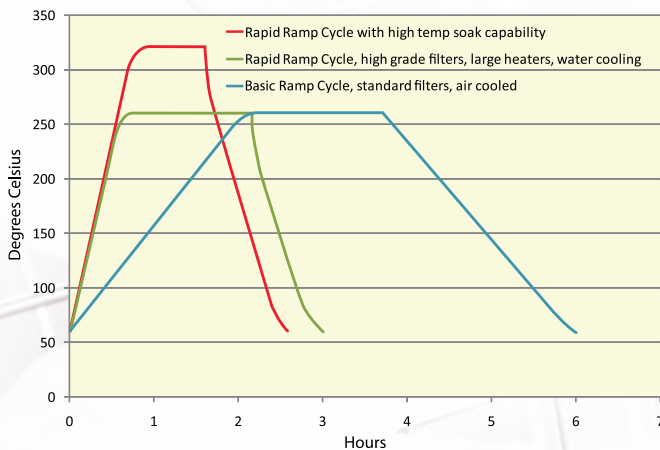


◆ **SD Sterilization and Depyrogenation Oven**
Designed for pharmaceutical and medical device industries



Designed to meet the stringent requirements of the pharmaceutical and medical device industry, these ovens are available in different configurations to meet specific temperature and cycle time requirements. The ovens can be configured to allow the shortest cycle times in the industry which allow users more production per shift, more efficient operations and lower operating costs.

Short cycle times result in high throughput and high production rates, so you can use a smaller oven for a given level of production. In addition, the side panels distribute heat very evenly, resulting in dense loading capabilities and a high capacity per square foot of floor space.



A robust filter design and unique filter retention system minimizes stress from thermal expansion and contraction to maintain ISO Class 5 (Class 100) conditions throughout the cycle even at accelerated heating and cooling rates. These high temperature HEPA filters require no burn-in at installation. ISO Class 5 (<100 0.5 micron particles per cubic foot) performance is guaranteed by Despatch and can be certified as part of the final acceptance test.

Recessed doors and hinges are completely flush with the exterior surface. All surfaces comply with cGMP guidelines.

FEATURES AT A GLANCE

- ◆ Extremely short cycle time
- ◆ ISO Class 5 conditions guaranteed
- ◆ Standard temperatures up to 285°C (545°F) or option of up to 320°C (608°F)
- ◆ Controlled cooling cycle using fresh air or chilled water heat exchanger
- ◆ Custom IQ, OQ and SQ protocols available
- ◆ Easy-to-clean 316L stainless steel interior with smooth surface and rounded corners
- ◆ cGMP compliant



Standard Features

- ◆ Temperatures up to 285°C (545°F)
- ◆ Heating ramp rate of 5°C (9°F)/minute
- ◆ Fresh air controlled cooling cycle
- ◆ Guaranteed ISO Class 5 (Class 100) conditions throughout the cycle using high temperature HEPA filters with no burn-in required at installation
- ◆ cGMP compliant, easy-to-clean 316L stainless steel interior with smooth surface and rounded corners
- ◆ 120-150 grit-polished stainless steel exterior (#4 polish)
- ◆ Complete documentation for writing IQ, OQ and SQ protocols
- ◆ Monitoring ports for testing fresh air, exhaust and recirculating HEPA filters
- ◆ Automatic self-regulating pressure balance
- ◆ Touchscreen operator interface, Allen Bradley PLC controls with computer networking capabilities
- ◆ Control package with up to 20 programmable temperature profiles, four pressure gauges and a high-limit temperature control
- ◆ Interlocked doors with dual contact seals
- ◆ TEFC motors (480V/3 phase/60 Hz)
- ◆ Meets NFPA 86 guidelines

Options

- ◆ Temperatures up to 320°C (608°F)
- ◆ Accelerated cooling rate of 5°C/minute or more using water cooling coils
- ◆ Accelerated heating ramp rates exceeding 5°C/minute

- ◆ 21 CFR Part 11 electronic records and signatures package
- ◆ Stainless steel flashing bioseal connection to the cleanroom
- ◆ Completed IQ, OQ and SQ protocols and assistance writing PQ protocols
- ◆ Assistance executing IQ, OQ and PQ
- ◆ Custom stainless steel trucks, dollies and trays
- ◆ Stainless steel rollout shelves on SDC2-30 or SDC2-53 models
- ◆ Chart recorders and data loggers
- ◆ 50 Hz models and special voltages
- ◆ UL-listed power panel
- ◆ European Union (CE) conformance
- ◆ Seismic Review capabilities and seismic anchors

Model ¹ SDC/ SDD	Capacity Cu. ft. (Ltr)	Chamber size W x D x H inches (cm)	Outside body size ³ W x D x H inches (cm)
2-30 ²	30 (850)	31 x 40 x 40 (79 x 102 x 102)	50 x 53 x 96 (127 x 135 x 244)
2-53	53 (1500)	38 x 38 x 64 (97 x 97 x 163)	76 x 50 x 106 (193 x 127 x 269)
2-56	56 (1585)	28 x 54 x 64 (71 x 137 x 163)	66 x 66 x 106 (168 x 168 x 269)
2-68	68 (1925)	48 x 38 x 64 (122 x 97 x 163)	86 x 50 x 106 (218 x 127 x 269)
2-90	90 (2550)	38 x 64 x 64 (97 x 163 x 163)	76 x 76 x 106 (193 x 193 x 269)
3-13	125 (3539)	53 x 64 x 64 (135 x 163 x 163)	91 x 76 x 106 (231 x 193 x 269)
3-17	171 (4842)	48 x 96 x 64 (122 x 244 x 163)	86 x 108 x 106 (218 x 274 x 269)
3-18	180 (5097)	38 x 128 x 64 (97 x 352 x 163)	76 x 140 x 106 (193 x 356 x 269)

¹SDC models are rated to 285°C (545°F). SDD models operate at 320°C (608°F).

² SDC2-30 not available in SDD model.

³Add 22 in (56 cm) to width for control panel – except SDC2-30. The control can be remotely mounted if necessary. On models SDC2-53 and larger, fresh air and exhaust assemblies on the roof add 30 in (76 cm) to the overall height. These can be removed for shipment and installation and can also be provided in low profile configurations if necessitated by site limitations.



SERVICE AND TECHNICAL SUPPORT

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