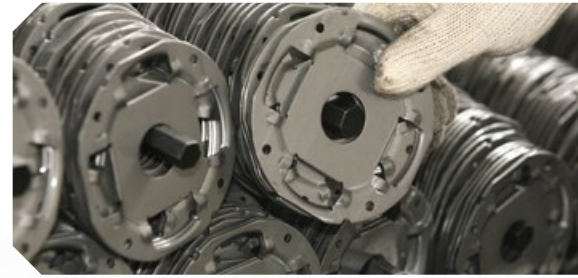


◆ RAD/RFD2-19 Cabinet Ovens

Proven reliability in demanding applications, such as curing, drying and aging



Despatch RAD/RFD2-19 cabinet ovens feature horizontal recirculating airflow to ensure exceptional temperature uniformity throughout the oven. A high-volume fan circulates air through walls with adjustable louvers to create a constant horizontal airflow across all sections of the oven. The result is proven reliability in demanding production and laboratory applications, such as curing, drying, stress relieving, aging, and other process-critical applications.

This oven is equipped with the Protocol 3™ microprocessor-based temperature and hi-limit controller with large LCD display and real-time clock for auto start capability. The LCD display shows temperature readings along with clear, detailed information on oven status. The data-logging functionality enables reporting and analyzing and data files can be exported via the controller's USB port. Modbus RS485 communications are included for easy data access.



FEATURES AT A GLANCE

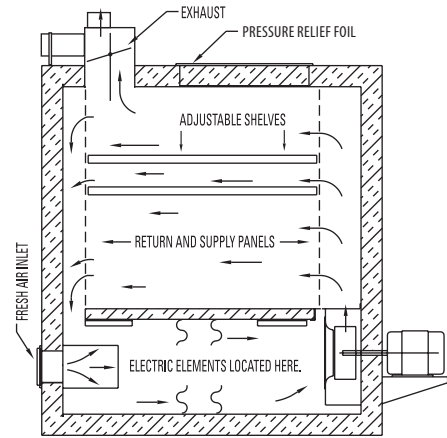
- ◆ Temperatures up to 343°C (650°F)
(Models available with temperatures up to 538°C (1000°F))
- ◆ Horizontal recirculating airflow
- ◆ Adjustable louvers
- ◆ Aluminized steel interior chamber
- ◆ Protocol 3™ control with large LCD display, integrated data logging capabilities and USB port for simple oven set-up and data export.
- ◆ 5-year heater warranty
- ◆ End of cycle and high-limit indicators
- ◆ Audible and visual high-limit alarm
- ◆ RS485 Modbus communication PC interface
- ◆ 1" process port for test wires and disconnect switch
- ◆ UL and C-UL listed open industrial control panel

OPTIONS

- ◆ Stainless steel interior
- ◆ Door switch
- ◆ Reinforced floor
- ◆ Chart recorder
- ◆ CE compliance

	RAD2-19	RFD2-19
PHYSICAL SPECIFICATIONS		
Chamber size (width x depth x height)	36.5 x 25 x 37 in. 93 x 64 x 94 cm	36.5 x 25 x 37 in. 93 x 64 x 94 cm
Capacity in cubic feet (liters)	19 (552)	19.5 (552)
Overall size (width x depth x height) <i>*height includes shipping channels on bottom</i>	79.5 x 44 x 77 in. 202 x 112 x 196 cm	79.5 x 44 x 92.5 in. 202 x 112 x 235 cm
Electrical:		
60 hertz - three phase	208 volts	37.7 amps/12 kW
<i>*50 hertz electrical is available</i>	240 volts	59.1 amps/18 kW
	480 volts	33.2 amps/12 kW
		47.0 amps/16 kW
		23.5 amps/16 kW
Number of shelves provided	2	2
Maximum number of shelves	12 on 3 in. centers	12 on 3 in. centers
Shelf dimensions (width x depth)	37.6 x 24.5 in. 95.5 x 62.2 cm	37.6 x 24.5 in. 95.5 x 62.2 cm
Exhaust outlet diameter	7 in. (17.8 cm)	7 in. (17.8 cm)
Doors	2	2
Approximate net weight	1320 lbs (599 kg)	1365 lbs (619kg)
Approximate domestic shipping weight (export adds weight)	1495lbs (678 kg)	1565 lbs (710kg)
Insulation thickness	6 in. (12.7 cm)	6 in. (12.7 cm)
FUNCTIONAL SPECIFICATIONS		
Time to temp with no load (40°C to 177°C)	17 minutes	16minutes
Time to temp with no load (40°C to 260°C)	32 minutes	30 minutes
Time to temp with no load (40°C to 343°C)	50 minutes	48 minutes
Temperature uniformity	+/- 2°C at 177°C +/- 2.8°C at 260°C +/- 3.7°C at 343°C	+/- 2°C at 177°C +/- 2.8°C at 260°C +/- 3.7°C at 343°C
Minimum operating temp	40°C (104°F)	30°C (86°F)
Maximum operating temp	343°C (650°F)	343°C (650°F)
Control stability	+/- 0.5°C on all models	
Repeatability	+/- 0.5°C	
Maximum load capacity	386 kg (850 lbs.)	850 lbs (386 kg)
Maximum shelf capacity	45.4 kg (100 lbs.)	100 lbs (45.4 kg)
Exhaust capacity (minimum/maximum)	Adj. to 27 CFM (12.7 l/s)	54/350 CFM (25.5/165.2 l/s)
Solvent handling capacity at 177°C (350°F) MEK	NA	.06 GPH (.23 l/h)
Forced exhaust HP	NA	1/3 HP
Recirculating fan	2 HP 1550 CFM (731 l/s)	2 HP 1550 CFM (731 l/s)

Notes: Uniformity figures are based on a nine-point test conducted in an empty oven after stabilization period. Uniformity can vary slightly depending on unit and operating conditions. Minimum operating temperature and cooling times are based on 20°C ambient temperature measured at the fresh air inlet with the fresh air and exhaust dampers fully open. Specifications are subject to change without notice. If the existing specifications differ from yours, ask about our customizing capabilities.



RFD front view cross section showing airflow pattern.



RFD2-19 Class A oven

Specially designed to meet NFPA 86 requirements for applications that include flammable solvents or large amounts of moisture removal. includes a pressure relief panel, purge timer and exhaust fan.

RAD models are not to be used with flammable solvents, materials or containers. If your process involves flammable solvents please inquire about our RFD models.

SERVICE AND TECHNICAL SUPPORT

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