

TEMPERATURE VIBRATION, AGREE CHAMBERS, RV-SERIES

Russells RV-Series Agree chambers are designed for use with mechanical, electro-dynamic, and dual axis vibration systems. Russells assumes the responsibility for compatibility of the chamber and vibration system giving you the flexibility to use any vibe system.

The easily removable chamber-to-shaker interface is designed for ease of loading and unloading of the test items. We also offer a chamber lift system to accommodate multi-axis testing. The diaphragm and frame assembly can be easily replaced with an optional solid floor plug to allow testing without vibration, if so desired.

Russells RV-Series can comply to the following MIL-STD's:

- 781 A, B & C

Cabinet Features:

- Fiberglass insulation, 0.25K factor
- Brushed 304 stainless steel liner, heliarc welded and dye checked
- Full opening door with dual gaskets (many door configurations available)
- Welded steel frame, removable access panels to serviceable components, durable enamel finish

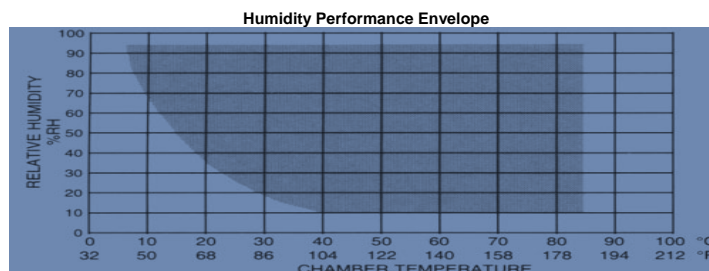
Performance:

- Temperature range for single stage refrigeration: -22°F/-30°C to 350°F/177°C
- Temperature range for cascade refrigeration: -100°F/-73°C to 350°F/177°C
- Change rates from 9°F/5°C/min. to 36°F/20°C/min.
- Humidity Range: 10% to 95% RH within the bounds of a 185°F/85°C max. dry bulb and a 40°F/4°C min. dewpoint.

Russells RV-Series chambers are available in sizes from 4 cu./ft. (113L) 144 cu./ft. (4,077L). A Russells application engineer can assist you in selecting the chamber configuration and size that is most economical for your testing needs. Let Russells give you the competitive edge!



RDV-32-10-10-WC



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Standard Features:

- Brushed 304 series stainless steel liner, heliarc welded and dye checked.
- Fiberglass insulation, .25k factor.
- Welded steel frame.
- Full opening chamber door with dual gaskets.
- Removable access panels to serviceable components.
- Durable blue enamel finishes (custom colors available).
- Multipane tempered heated window.
- Microprocessor temperature/humidity programmer.

Cooling:

- Low or zero ozone depletion refrigerants.
- Energy saving refrigeration bypass capacity control.
- Low stage desuperheater.
- Oil pressure switches.
- Compressor suction and discharge pressure switches.
- Water cooled condenser.
- Vapor tank and condenser ASME certified.
- Compressor overload protection.
- High stage compressor crankcase heater.
- Compressor head fans.
- Low stage oil separator.
- All piping joints silfos or silver soldered.
- Stainless steel compressor condensate pans.

Electrical:

- All wiring meets NEC standards.
- 120 volt control circuit transformer.
- Fully enclosed electrical panel.
- All circuits fused or circuit breaker protected.
- Full system function switches w/ system status pilot lights.
- Incandescent interior lighting.
- All wiring numbered or color coded.
- High Temperature limit safety.
- Master heating circuit contactor.
- Air circulator/heater interlock
- Balanced load on 3 phase power.

Optional Accessories:

- Through-wall access ports, round, glove, square.
- Chamber lift system for multi axis vibe systems.
- Mil 781 C moisture injection system.
- Vibe system interface.
- Solid floor plug.
- Viewing windows.
- Refrigeration gauges.
- Shelves.
- Refrigeration sound deadening package.
- Remote refrigeration systems.
- LN2/CO2 boost cooling.
- Air cooled condenser.
- Humidity water demineralizer.
- Dry air purge system.
- Desiccant dehumidifier.
- Running timer meter.
- Electrical disconnect switch.

Optional Instrumentation:

- VS-1 microprocessor programmer controller.
- Solid state humidity sensor on humidity models.
- Product safeguard redundant over/under temperature limit.
- Circular or electronic chart recorders.
- Free standing remote instrument console.
- Computer communications, networking, data-logging software.