JRE 3036

# RF Shielded Test Enclosure

Our largest benchtop chamber — room for entire computer systems, with three I/O plates for extensive interface capability.

*Quad ganged lockable latches; five stainless hinges*

## AT A GLANCE

- Roomy **34.5 × 26 × 28.5 inches** inside (875 × 660 × 725 mm) — 34.5" of interior height in a **27.5" wide × 30" deep** package
- Excellent isolation: **−100 dB DC to 1 GHz, −95 dB to 3 GHz, −85 dB to 6 GHz**
- **Three removable C-size I/O plates** for high-channel-count and multi-device setups
- Five heavy-duty stainless steel hinges keep the door sealed RF-tight and minimize droop
- **Quad ganged lockable latches** ensure tight RF shielding; keyed locking latch available
- Honeycomb vents allow ventilation while maintaining isolation — optional fans
- Optional **MW upgrade** extends isolation to 28 GHz for 5G FR2, UWB and WiFi 6E/7

## DESCRIPTION

For testing tall devices, the JRE 3036 is ideal. It is large enough to fit entire computer systems inside along with their associated components — everything securely isolated from the outside world. If a chamber this large is more than you need, the JRE 2830 offers the same three-plate capability in a somewhat smaller package.

Featuring rugged welded aluminum construction, you can be assured of its tight RF shielding effectiveness. Long-life door gasket material along with our double-edge contact engagement provides solid RF shielding and smooth, trouble-free operation over the life of the chamber. The quad ganged lockable latches ensure tight RF shielding, while five heavy-duty stainless steel hinges minimize door droop for smooth, secure closure. Inside, LS-30 RF absorbing foam tames reflections and hot-spots.

Every JRE chamber uses a removable, CNC-machined I/O plate — a design JRE engineers originated over forty years ago. The three C-size plates recess into the chamber wall and do not intrude into your test volume, and they give extensive interface capability for high-channel-count or multi-device setups. Because they swap out in the field with a few screws, one 3036 can be reconfigured for many different test setups over its life.

### SHIELDING ISOLATION

| | |
|---|---|
| DC to 1 GHz | **−100 dB** |
| to 3 GHz | **−95 dB** |
| to 6 GHz | **−85 dB** |

All JRE chambers, and many JRE filtered interfaces, can optionally be ordered with the MW upgrade for operation to 28 GHz at > 85 dB isolation. Contact the factory for details.

### DIMENSIONS

| | |
|---|---|
| Inside | **34.5" H × 26" W × 28.5" D**<br>**875 × 660 × 725 mm** |
| Outside | **36" H × 27.5" W × 30" D**<br>**915 × 700 × 760 mm** |

### WEIGHTS & SHIPPING

| | |
|---|---|
| Weight | **85 lb / 38.6 kg** |
| Shipping weight | **153 lb / 69.5 kg** |
| Shipping carton | **49" × 41" × 36"**<br>**1245 × 1040 × 915 mm** |

### I/O PLATES & CONNECTORS

| | |
|---|---|
| Plate size | **Three JRE "C" size** |
| Plate opening | **7" × 7" (180 × 180 mm) each** |
| Field changeable | **Yes** |
| Ventilation | **Honeycomb vents** |

Test chambers do not include RF connectors or interface filters. Any connection to a device inside the chamber must be suitably filtered to maintain shielding isolation.

## FEATURES & BENEFITS

- Double-contact door shields ensure repeatable measurements
- 3/4" (19 mm) thick RF absorbing foam deadens standing waves and reflections; 90 °C rating, UL 94V-0 flammability
- Honeycomb vents maintain shielding across the full frequency range
- Same three-plate capability in a smaller package — see JRE 2830

### CONFIGURING YOUR CHAMBER

Choose from ready-to-go, in-stock C-size I/O plates with the most common filtered interfaces and connectors and your chamber can ship in just a few days — or have a custom plate designed in about a week with whatever connectors and filtered interfaces you need. Fans, vents, internal AC power strips and fiber optic connectors can all be accommodated. Use the Configuration Worksheet at jretest.com to organize your requirements.

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