

**Thermo Scientific**  
**Thermo Scientific General Purpose ADA Under-counter Refrigerator and Freezer**

**PART 1 – GENERAL**

**1.1 DESIGN AND PERFORMANCE CRITERIA**

- A. General purpose ADA laboratory refrigerator manufactured to operate in a temperature range of +1C to +12C. Or general purpose ADA freezer manufactured to operate at -15C to -25C. Must be available in 115V/60 Hz.
- B. Refrigerator (or freezer) must be constructed with polyurethane foam insulation
- C. Refrigerator (or freezer) shall have a solid door
- D. Refrigerator shall have 3 shelves or freezer shall have 3 drawers
- E. Refrigerator (or freezer) shall have manual defrost

**1.2 SUBMITTALS**

- A. Submit complete submittal package of product literature, manual, and drawings. Incomplete submittals are not acceptable, will be considered non-responsive, and will be returned without review.

**1.3 QUALITY ASSURANCE**

- A. These general purpose refrigerators (or freezers) are designed to meet ADA requirements.

**1.4 QUALIFICATION**

- A. Manufacturer – Company must have 10 years documented experience in the construction of general performance laboratory refrigerators.

**1.5 WARRANTY**

- A. Manufacturer's warranty against defects in material and workmanship covering parts must be available for a period of 13 months covering parts and labor.
- B. Standard exceptions for air filters, batteries, and gaskets shall apply.
- C. Extended manufacturer's warranty options should be available at additional charge if required

## **PART 2 – PRODUCT**

### **2.1 MANUFACTURERS**

A. Thermo Scientific

### **2.2 Thermo Scientific general purpose ADA under-counter refrigerator and freezer**

A. Model 05LRAETSA (refrigerator) 5.5 cu ft or 04LFAESTA (freezer) 3.5 cu ft

### **2.3 Thermo Scientific general purpose ADA under-counter refrigerator and freezer**

1. Exterior Dimensions (H x W x D)
  - a. Model 05RAETSA (refrigerator) – 32" x 23.63" x 23.5"
  - b. Model 04FAETSA (freezer) – 32" x 23.63" x 23.5"
2. Interior Dimensions (H x W x D)
  - a. Model 05RAETSA (refrigerator) – 26.5" x 21" x 17.5"
  - b. Model 04FAETSA (freezer) – 24.3" x 17.8" x 16.5"

### **2.3 Thermo Scientific general purpose ADA under-counter refrigerator and freezer**

- A. Controllers shall be knee level
- B. General purpose ADA freezer shall have a digital controller
- C. General purpose ADA refrigerator shall have a mechanical dial thermostat

## **PART 3 – EXECUTION**

### **1.01 INSTALLATION**

- A. Install equipment level and plumb, according to manufacturer's written instructions.
  1. Verify utility services are in required locations and are ready for use before installation of equipment.
  2. Install equipment with access and maintenance clearances that comply with manufacturer's written installation instructions and requirements of authorities having jurisdiction.
  3. Complete equipment assembly where field assembly is required.
  4. Connect equipment to utilities.
  5. Remove all packing materials from the site.