

***NOISEMASTER®***  
***RESONATOR SOUND-ABSORBERS***

**The Proudfoot Company, Inc.**

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**Available in a selection of colors to combine function with beauty**

NOISEMASTER resonator sound absorber units, long regarded as an effective noise control measure for industrial environments, are now also available in a wide variety of colors to provide dramatic decorative effects. These delicately or boldly colored units combine function and beauty through an attractive, fire-resistant fabric covering, making them the ideal solution for quieting restaurants, offices, banks, recreational areas, gymnasiums and other environments where style is a concern.

Proper use of these dynamic NOISEMASTER resonator sound absorbers can:

- Provide striking overall noise level reduction.
- Enable patrons in restaurants to converse comfortably and enjoy their meals.
- Enable office workers to work more comfortably and efficiently.
- Aid significantly in hearing protection.
- Reduce nervous tension, greatly improve comfort and reduce fatigue of workers.
- Increase production through lessened tendency for workers to take frequent breaks “to get away from the noise.”
- Improve safety by more easily heard and understood warnings of danger and verbal instructions.

**SPECIFICATIONS**

NOISEMASTER units are 12" diameter cylinders, 24" long, designed to be hung from the ceiling or other structure. They are lightweight, approximately 6 pounds per unit, and generally create no structural loading problems when installed on recommended spacings, usually 2' to 6' on centers both ways.

The cylindrical casings are made of specially engineered molded fiberglass, and the colored units are covered with an attractive, Guilford FR701® panel fabric. The colored units are provided only with fasteners for hanging horizontally, except on special request. Heavy gauge formed aluminum guard rings finish the two ends and contribute to the units' durability and appearance.

**EASY TO INSTALL AND MAINTAIN**

NOISEMASTER units are simple to install and require no special tools. They are easily hung on No. 14 or heavier steel wire, either individually from the overhead structure or from stretched steel wires of suitable gauge and tensile strength.

NOISEMASTER units lend themselves to being installed in a manner avoiding interference with lights, ducts, piping, conduit, sprinklers, crane ways or other overhead installations. They require little or no maintenance under normal conditions.

**SOUND ABSORPTION**

Each NOISEMASTER unit provides the equivalent in overall sound absorption of 10 to 15 square feet of a good acoustical tile secured to a roof deck or ceiling. In addition, because they can often be placed closer to the noise source, their effectiveness in providing a quieting effect can be much greater.

Noise level reductions of as much as 8 to 10 decibels can be achieved, depending upon particular conditions such as the size and shape of the room and the amount of sound absorption existing before installation of the NOISEMASTER units.

**Flammability:** Class 1 or A flame spread and smoke developed rating per ASTM Designation E-84; Surface Burning Characteristics of Building Materials.

## **SPECIFICATIONS:**

### **SECTION 09500**

#### **PART 2 PRODUCTS**

Resonator Sound Absorber (*Resonator*)

#### **MANUFACTURER**

Noisemaster® Resonators shall be made of specially engineered molded acoustical fiberglass. Each resonator shall have 2 internal metal resonators positioned inside the unit. Each resonator shall have 2 internal metal resonators positioned inside the unit. Each resonator will have 2 eye hooks for horizontal mounting and 3 eye hooks for vertical mounting. Each resonator will have custom formed finished aluminum end rings on each end. Resonator units may be covered in a standard scrim facing; Guilford FR701 Panel Fabric; Webcore vinyl; or a Sailcloth nylon facing. **Surface Burning Characteristics** (ASTM E-84-84a) Class A or 1 / Flame Spread-25 Smoke Developed-320.

#### **SIZE**

Each Resonator shall measure 12 inches diameter by 24 inches long and weigh approximately 6 lbs each.

#### **TESTING**

Noisemaster® Resonators shall have an NRC of 8.45 Sabins Per Unit.

#### **INSTALLATION AND STORAGE**

Resonator units can be installed horizontally or vertically by suspending each resonator independently from the roof deck using 16ga. wire. Resonator units are to be stored in their original boxes in a clean and dry location.

NOISEMASTER® technical data, test reports, and general information is available by contacting **The Proudfoot Co., Inc., P.O. Box 276, Monroe, CT 06468. (203) 459-0031.**

## **SPECIFICATIONS:**

## **SECTION 09500**

### **PART 2 PRODUCTS**

Econosorber Sound Absorber (*Econosorber*)

#### **MANUFACTURER**

Noisemaster® Econosorbers shall be made of specially engineered molded acoustical fiberglass. Each econosorber will have 2 eye hooks for horizontal mounting and 3 eye hooks for vertical mounting. Each econosorber will have custom formed finished aluminum end rings on each end. Econosorber units may be covered in a standard scrim facing; Guilford FR701 Panel Fabric; Webcore vinyl; or a Sailcloth nylon facing. **Surface Burning Characteristics** (ASTM E-84-84a) Class A or 1 / Flame Spread-25 Smoke Developed-320.

#### **SIZE**

Each Econosorber shall measure 12 inches diameter by 24 inches long and weigh approximately 5 lbs each.

#### **TESTING**

Noisemaster® Econosorbers shall have an NRC of 7.60 Sabins Per Unit.

#### **INSTALLATION AND STORAGE**

Econosorber units can be installed horizontally or vertically by suspending each econosorber independently from the roof deck using 16ga. wire. Econosorber units are to be stored in their original boxes in a clean and dry location.

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