

## PrivacyShield<sup>®</sup> Plenum Return Silencer G2



### DESCRIPTION

The PrivacyShield<sup>®</sup> Plenum Return Silencer G2 is the next generation in air return silencers from Acoustical Solutions. For use in standard 2'x2' and 2'x4' suspended ceiling grids, these air vent silencers reduce the amount of sound transmission that would leak into a plenum space, without disrupting the required air flow. When placed over an existing air return grill, they increase speech privacy and prevent sound from moving from one space to the next.

**Applications:** Speech Privacy and Soundproofing for Private Offices, Conference Rooms, HR Departments, Legal Departments and Medical Facilities.

### TECHNICAL INFORMATION

**SIZE:** 2'x2' (actual overall size: 31" x 31")

#### COMPOSITION:

- **Hood Section:** Fiberglass core covered on both sides with non-woven polyester rayon facing molded into a single piece acoustical hood with optional 1 lb Septum
- **Air Chute Section:** Two part, black molded fiberglass board with exterior fire-resistant foil scrim facing
- **Ceiling Tile Barrier:** 0.12 inch (3.05 mm) woven polyester acoustic decouple facing adhered to a 0.12 inch (3.05 mm) mass loaded vinyl sound barrier with a 0.003 inch (0.08 mm) fire retardant fabric backing

**MAXIMUM AIR FLOW:** 750 CFM (cubic feet / minute)

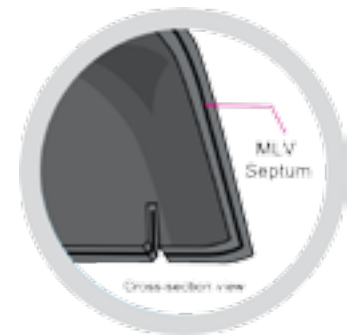
**FIRE RESISTANCE:** Class A per ASTM E 84 (UL 723)

#### MOUNTING:

Unit is constructed using the provided tape and placed in the ceiling grid on top of an existing perforated air return grill.

HOOD STANDARD

HOOD WITH 1 LB SEPTUM



### SOUND ABSORPTION

(per ASTM C423-09a; E-400 Mounting)

| 125 Hz | 250 Hz | 500 Hz | 1000 Hz | 2000 Hz | 4000 Hz | NRC  |
|--------|--------|--------|---------|---------|---------|------|
| 1.01   | 1.07   | 0.80   | 1.05    | 1.02    | 1.09    | 1.00 |

### SOUND BLOCKING PERFORMANCE

(per ASTM E 90-09)

| HOOD STANDARD         |        |        |         |         |         |     |
|-----------------------|--------|--------|---------|---------|---------|-----|
| 125 Hz                | 250 Hz | 500 Hz | 1000 Hz | 2000 Hz | 4000 Hz | STC |
| 5                     | 4      | 4      | 5       | 6       | 7       | 5   |
| HOOD WITH 1 LB SEPTUM |        |        |         |         |         |     |
| 16                    | 17     | 21     | 25      | 33      | 40      | 26  |

