

## PRIVACYSHIELD<sup>®</sup> PLENUM RETURN SILENCER G2 DATA SHEET



### 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 (cu. ft. / mi.)

**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 grille.

### 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 grille, they increase speech privacy and prevent sound from moving from one space to the next.

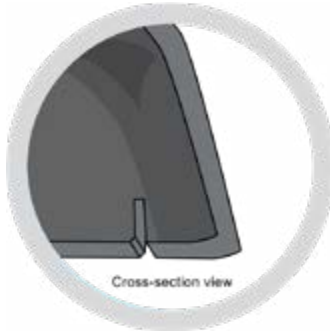
### APPLICATIONS

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

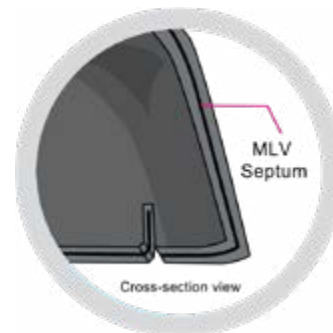


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### HOOD STANDARD



### HOOD WITH 1 LB SEPTUM



#### SOUND ABSORBING PERFORMANCE (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

125 Hz	250 Hz	500 Hz	1000 Hz	2000 Hz	4000 Hz	STC
16	17	21	25	33	40	26

