

## Sound Attenuators - CT

## B - 40 Series

Type: Cross Talk

Model: CT-GB-40A/B

A - Square & Rectangular; B - Zig-Zag

Construction: Galvanized Steel

**BETEC CAD.**'s manufactures square, rectangular, cylindrical and cross talk sound attenuators, which are used in commercial, industrial and residential buildings to reduce mechanical equipment noise transmitted through the ducted or un-ducted system achieving desired noise criteria in the occupied space. We design attenuators to achieve desired noise criteria in the occupied space or to reduce environmental noise for generator rooms, to meet project requirements without compromising attenuator performance.



CT-GB-40B

### Standard Construction

#### Casing

0.9 mm thick galvanized steel sheet.

#### Splitters

0.7 mm / 0.9 mm thick Ø3 mm hole perforated galvanized steel sheet.

#### Insulation

48 kg/m<sup>3</sup> Density rockwool covered with Black glass tissue.

#### Flanges

25 mm Ductmate flange or slip connection on both ends.

### Optional Construction

**Casing :** Thickness Up to 3 mm

**Splitters :** 0.9 mm thick Ø5 mm hole perforated galvanized steel sheet.

**Casing and Splitter Material :** Stainless Steel (304/316L)

**Insulation:**

48 kg/m<sup>3</sup> Density fiberglass wool covered with black glass tissue.

### Features

- **BETEC CAD.** manufactures Cross Talk Attenuators which are installed to provide maximum background voice, sound masking effect for each office zone, there by improving speech privacy and aural comfort with acceptable pressure drop level.
- Sturdy maintenance free construction with high noise absorbing capacity to obtain required insertion loss without compromising on performance.
- Acoustic infill media is of superior quality, non combustible and has fungi resistant characteristics complying to and ASTM C 612.
- These attenuators can be installed in places where speech privacy is required or noise generated in areas
- is frequently causing disturbance and distraction.
- These sound attenuators are maintenance free.

### Applications

Cross Talk Attenuators are suitable for crosstalk applications (to attenuate openings in partitions above ceiling voids) ,terminal equipment applications , and are installed within air conditioning or ventilation ductwork systems to reduce the transmission of airborne ducted noise.

Other applications include common ductwork serving male-female toilets / changing areas, or for privacy between adjacent cellular offices, penetrations in partitions requiring high acoustic performance, broadcasting / recording studios.

**BETEC CAD.** standard attenuators incorporate sealing and are suitable for DW 142 class C applications.

B- 40 Series Model Details					
Material Construction					
Model	Casing		Perforated Splitter		Perforation Details
	Material	Thick	Material	Thick	
CT-GB-40A/B	GI	0.9mm	GI	0.7/0.9mm	Ø 3mm Hole
CT-SB-40A/B	SS	0.9mm	SS	0.7mm	Ø 3mm Hole

**Note :** Please contact **BETEC CAD.** for customized design and specification.

Selected Products of the company have been Classified / Listed / Tested by various international testing authorities.

## Constructional Details and Dimensions

## B - 40 Series

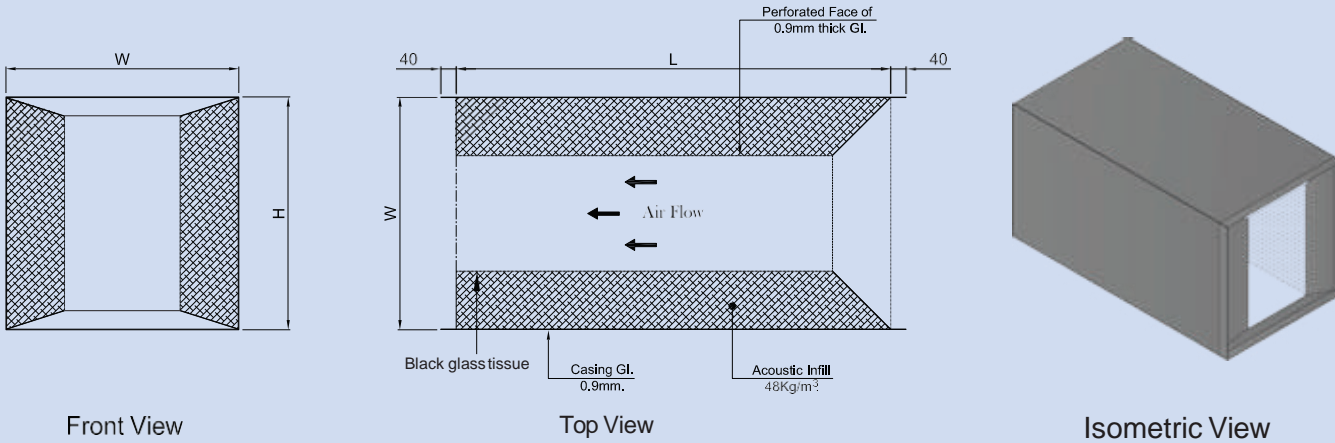
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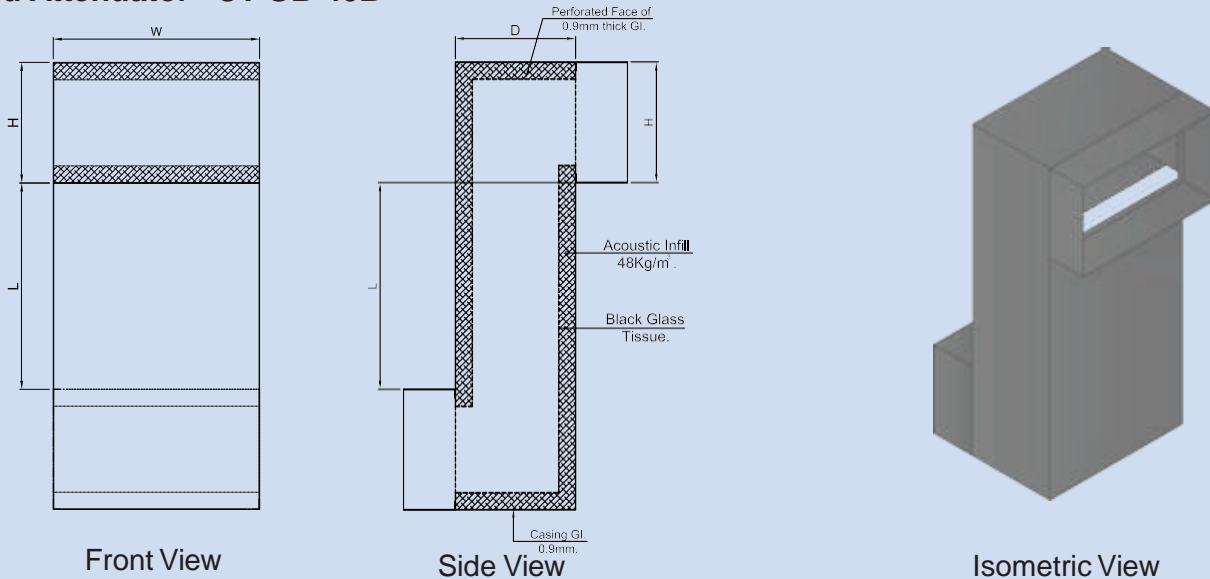
A - Square & Rectangular; B - Zig-Zag

Construction: Galvanized Steel (GI)

### Sound Attenuator - CT-GB-40A



### Sound Attenuator - CT-GB-40B



BETEC CAD B-40 Series Transmission Loss Noise Levels in dB								
Attenuator Length (L)	Octave Band Center Frequency, Hz							
	63	125	250	500	1000	2000	4000	8000
900 mm	7	9	17	21	30	25	21	17
1500 mm	10	15	27	36	45	36	29	24

Air Performance Data			
Width (mm)	Height		
	200	300	400
Air Flow (CFM)			
300	198	252	395
450	293	389	584
600	388	512	777
750	484	645	964
900	578	770	1155
1050	673	897	1345
1200	763	1024	1533

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