

Metal Plenum Box to suit M and 2 series Aircell Diffusers

PS

Introduction

The plenum boxes for M and 2 series Aircell Diffusers are designed as a versatile metal alternative to the all-polymer Aircell plenum box. Available with Side or Top Entry connections to customer-specific diameter/shape, these can be fitted with Spigot Flap Dampers, cord- / quadrant-operated, as well as 6mm acoustic lining (optional) reaction to fire class C-s3-d0 to EN 13501-1: 2007 to avoid noise generation.

An internal baffle plate can be fitted to the plenum box to help evenly distribute the airflow over the whole surface of the grille if used for Supply air, or prevent through vision for Return air.

Product Description Plenum box for Aircell Diffusers (M300, M450, M500, M600, 2300, 2600)

SE Side Entry spigot

TE Top Entry spigot

CC Circular Connection

RC Rectangular Connection

FO Flat Oval Connection

FDC Cord-operated Flap Damper (optional)

FDQ Quadrant-operated Flap Damper (optional)

LINED 6mm acoustic lining (optional) reaction to fire class C-s3-d0 to EN 13501-1: 2007

BFL Internal perforated baffle plate (optional)

BLACK Plenum painted black to prevent through vision (optional)

Features

- Galvanised steel, stitch fixed
- 1 or 2 connections – Circular, Rectangular or Flat Oval (reduced plenum height)
- Side or Top Entry spigots with optional airflow control damper
- Oblong holes on top plate for easy drop rod installation
- Internal baffle plate for optimum air distribution / non-vision (optional)

Finish

PS Galvanised sheet steel

Dimensions

Length Diffuser nominal size (300, 450, 500, 600)

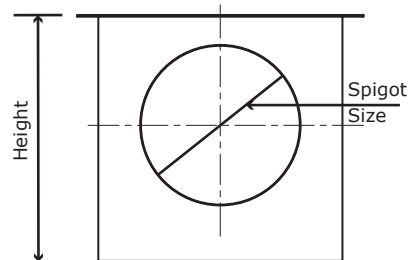
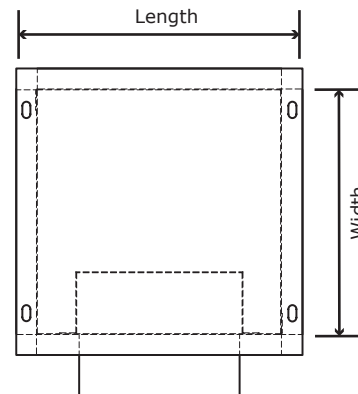
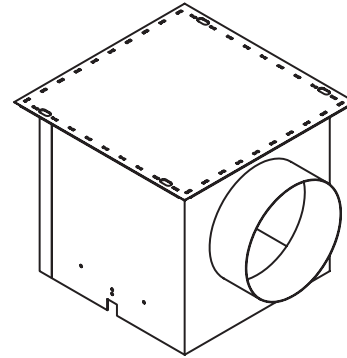
Width Diffuser nominal size (300, 450, 500, 600)

Height SE – Spigot diameter or height + 100mm as standard
TE – as specified by customer (200mm minimum recommended)

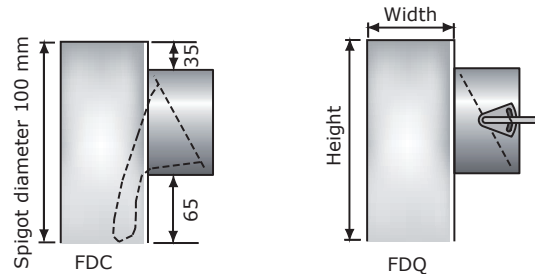
Order

When ordering plenum boxes please specify length, width & height, spigot size and position (Top or Side Entry) and control options. Please note that the plenum height should in general be 100mm greater than the spigot diameter (Side Entry applications).

Note: The connection between the diffuser and plenum is adequately sealed for most installations, although secondary additional sealing may be required at the discretion of the installers, if the leakage rate required is particularly low.



Control Options



ORDER EXAMPLE

PS/450/400/1CC/SE/247dia/FDC/LINED

Type _____
Plenum Box Length _____
Plenum Box Width _____
Plenum Box Height _____
Spigot Number / Shape _____
Entry _____
Spigot Size _____
Option _____
Option _____