

Plenum Box to suit AL Airline Linear Grilles

PBLG / NRG Neck Reducer

Introduction

The plenum boxes for our Airline Linear Grilles are designed to guarantee a good distribution of the air prior to diffusion through the terminals. 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 length of the grille.

Product Description

PBLG	Plenum box to suit AL Airline Linear Grilles
PBLG/LL	Low-Line Plenum box to suit AL Airline Linear Grilles
NRG	Neck Reducer to suit AL Airline Linear Grilles
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
- Available in High-Line or Low-Line to accommodate larger spigot sizes
- 1 to 4 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 (optional)

Finish

PBLG / NRG Galvanised sheet steel

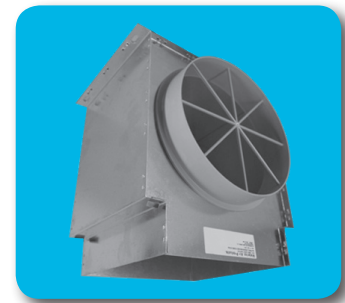
Dimensions

Length	Linear Grille length
Width	Linear Grille width
Height	SE – Spigot diameter or height + 100mm as standard
	TE – as specified by customer (200mm minimum recommended)

Order

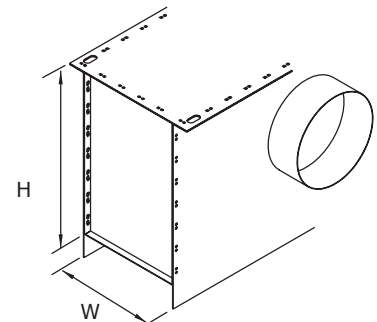
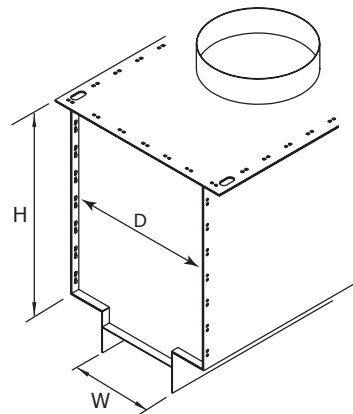
When ordering plenum boxes please specify length, width & height, spigot size and position (Top or Side Entry) and control options. Please note that the plenum height should in general be 100mm greater than the spigot diameter (Side Entry applications).

Note: The connection between the grille 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.



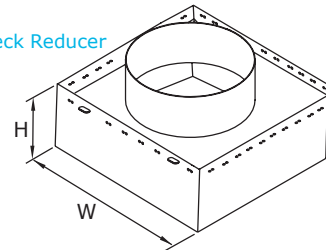
PBLG/LL

PBLG/LL - Top entry Low-line linear grille plenum box.

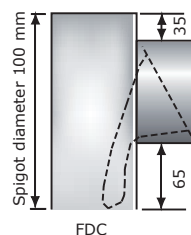


PBLG - Side entry Linear grille plenum box.

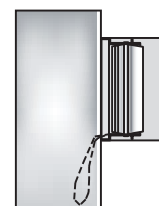
NRG - Neck Reducer



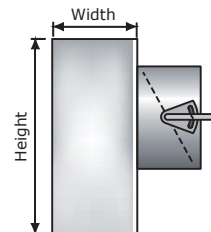
Control Options



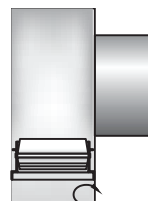
FDC



OBEO



FDQ



OBSS / ED

ORDER EXAMPLE

PBLG/2000/250/350/2CC/SE/247dia/FDC/LINED

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