

Plenum Boxes

PBHL Plenum Box to suit CS / LCS / DSL / HF Linear Slot Diffusers

PBHLB Plenum Box to suit CSB Barrel Slot Diffusers

PBHLH Plenum Box to suit FCD Fan Coil Diffusers

Introduction

Our High- / Low- Line plenum boxes 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.

Also available with rivet fix (hem fix as standard).

Product Description

PBHL	High-Line Plenum box to suit CS / LCS / DSL / HF Linear Linear Slot Diffusers
PBLL	Low-Line Plenum box to suit CS / LCS / DSL / HF Linear Linear Slot Diffusers
PBHLB	High-Line Plenum box to suit CSB Barrel Slot Diffusers
PBLLB	Low-Line Plenum box to suit CSB Barrel Slot Diffusers
PBHLH	High-Line Plenum box to suit FCD Fan Coil Diffusers
PBLLH	Low-Line Plenum box to suit FCD Fan Coil Diffusers
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 plate for Supply air diffusers (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

Finish

Galvanised sheet steel

Dimensions

Length	PBHLH / Fan Coil Diffuser length PBHL, PBHLB / Linear Slot diffuser length
Width	PBHLH / Fan Coil Diffuser width PBHL, PBHLB / Number of slots
Height	SE – Spigot diameter or height + 100mm as standard TE – as specified by customer (200mm minimum recommended)

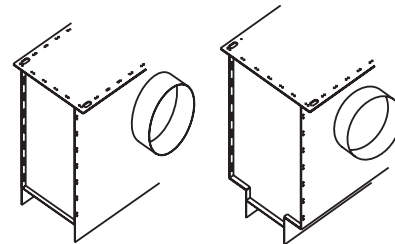
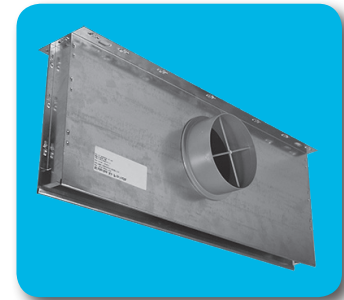
Order

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.

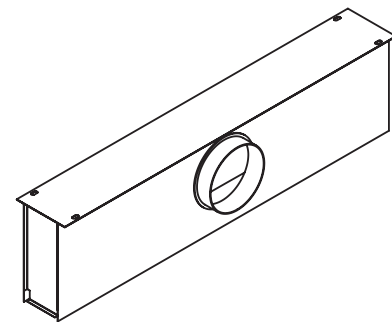
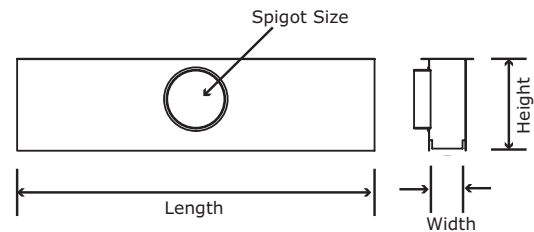
ORDER EXAMPLE

Type	PBHL/CSF/2/1200/250/250/SE/147/2CC/OBSS/LINED
Diffuser type	
Number of slots	
Plenum Box Length	
Plenum Box Width	
Plenum Box Height	
Entry	
Spigot Size	
Spigot Number / Shape	
Option	
Option	

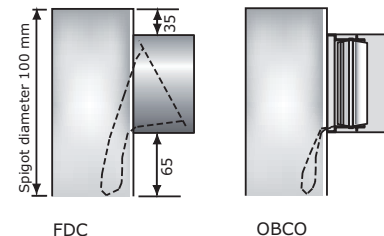


High-Line
plenum
box

Low-Line
plenum
box

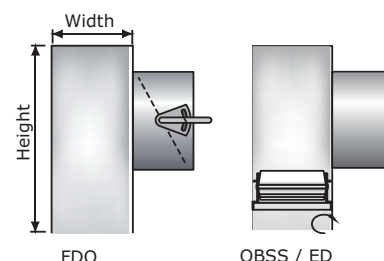


Control Options



FDC

OBCO



FDQ

OBSS / ED