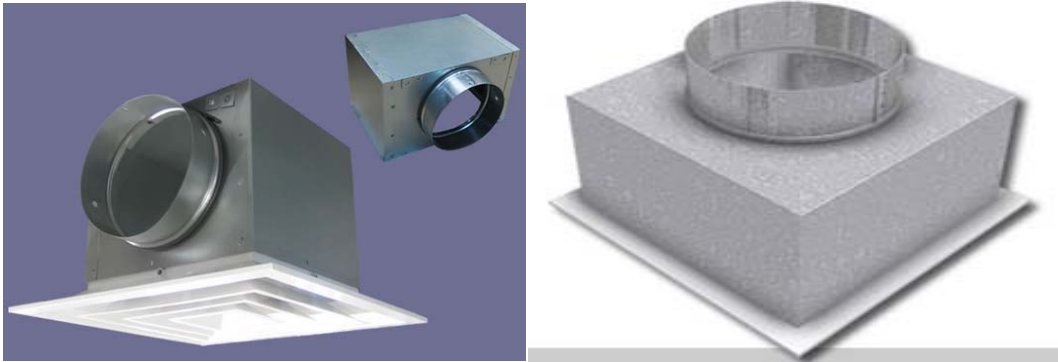


PLENUM BOX FOR SQUARE LOUVERED FACE DIFFUSER

INTRODUCTION

Plenum boxes are used for supply and exhaust of air through diffusers and grilles. The plenum box ensures a continuous flow to the diffuser, and plenum boxes equipped with dampers create the possibility of adjusting the diffuser on an individual level.

Furthermore, the plenum box is usually supplied with acoustic insulation. This contributes to the sound attenuation inside the box. This way the noise from the air flow inside the air duct system and the sound from room to room is reduced.



SERIES P41 (SIDE ENTRY PLENUM BOX) **SERIES P42 (TOP ENTRY PLENUM BOX)**

DESCRIPTION

The COSMOS plenum box is an accessory to the square louvered face diffuser. Its main use is to reduce noise and equalize the air flow. The standard plenum construction is built of galvanized steel sheet 24 gauge, and inlet volume control damper of 20 gauge.

COSMOS square louvered face diffuser plenum box series P41 and P42 can be used for supply or exhaust air, intended to achieve a stable airflow into diffusers and also to attenuate sound from the duct system.

Series P41 = Plenum box has a side entry connection without volume control damper included.

Series P41-D = Plenum box has a side entry connection with volume control damper included.

Series P42 = Plenum box has a top entry connection without volume control damper included.

Series P42-D = Plenum box has a top entry connection with volume control damper included.

COSMOS plenum box includes a unique damper which gives the opportunity to use the full operational area (0-100%). For controlling the air volume, inlet damper can be operated from face of the diffuser. Standard plenum inlet available from 100mm to 400mm in the increment of 50mm, thus suits most inlet connections.

To attenuate sound from the duct system and the sound from room to room, COSMOS plenum boxes are internally lined with acoustic media as 6mm thick closed cell black face foam with class "O" rating and 10mm thick open cell elastomeric nitrile foam rubber, fiber free, super silent and microban resistance. Acoustic media with different insulation thickness are also available on request.

COSMOS standard supply is plenum box with internally lined acoustic media. Plenum box without acoustic media can also be supply on customer requirement.

FEATURES

- Heavy duty galvanized steel construction
- Can work with high pressure with low sound
- Large dynamic operational area (0-100%)
- Plenum inlet diameter available from 100mm to 400mm to suit most inlet connections
- Side or top entry plenum inlet with optional airflow control opposed blade damper

OPPOSED BLADE DAMPER (COLLAR DAMPER)

INTRODUCTION

Our company is one of the most prominent and leading companies in the field of manufacturing and supplying dampers. Now we are highly involved in manufacturing & supplying a wide array of collar dampers which is made of superior quality materials and are designed and developed as per the demand of clients. In these dampers are installed in which opposed blade volume control dampers help in adjusting air volumes to suit the requirements of the space. Collar dampers are highly appreciated by the clients due its reliability and durability.



MODEL: OBD

DESCRIPTION

COSMOS model OBD opposed blade dampers (collar dampers) are commonly used as a volume control device in supply, return and exhaust air systems.

Opposed blade dampers are mounted directly behind the supply, return or exhaust air diffuser and provide the ability to be manually adjusted through the face of the diffuser.

COSMOS model OBD is the extruded aluminum opposed blade volume control damper without powder coated finish. And model OBD-PC is the extruded aluminum opposed blade volume control damper with powder coated finish.

FEATURES

- Manufactured in high quality aluminum extrusion profiles.
- Designed with nylon bushes for efficient, smooth and quiet operation & to avoid rattling noise.
- Gang operated opposed blades.
- Opposed blade design to ensure proper regulation of air.
- Opening mechanism like screw, directly from the face of the diffuser.
- Controls air over entire diffusers.
- Standard Finish: Mill finish. Powder coated finish as option.