

# THOR Plenum Boxes



## Description

The THOR plenum box is used together with air diffusers for pressure reduction, airflow balancing and sound attenuation as well as for measuring and adjusting the air flow. The plenum box can be used for air inlet and extract.

## Design

THOR plenum boxes are manufactured from hot-dip galvanised sheet steel with connection sleeves fitted with a rubber seal tested for air-tightness.

Type of fixing:

A compressed extension with sealing including the Zeus damper.

Acoustically insulated with Aifelt material 14mm thick on 4 walls inside (except inlet and outlet wall). To ensure correct settings, there must be a straight length of supply-air duct, its length equivalent to 4 times the duct diameter, before the plenum box.

The damper and measuring units are removable. The K factor for adjustment is indicated on the damper itself and also in the guide to adjustment entitled "K factors".

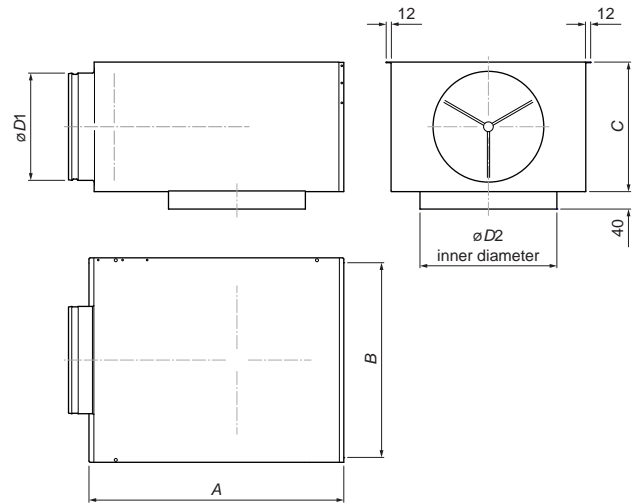


Fig. 2: The THOR plenum box basic dimensions

THOR	A	B	C	$\phi D1$	$\phi D2$
	(mm)				
100-125	344	250	150	99	125
125-160	384	250	160	124	160
160-200	474	300	195	159	200
200-250	524	350	250	199	249
250-315	589	450	300	249	314
315-400	644	550	400	314	399

Tab. 2: The THOR plenum box dimensions