

ODEN Plenum Boxes



Ordering Code

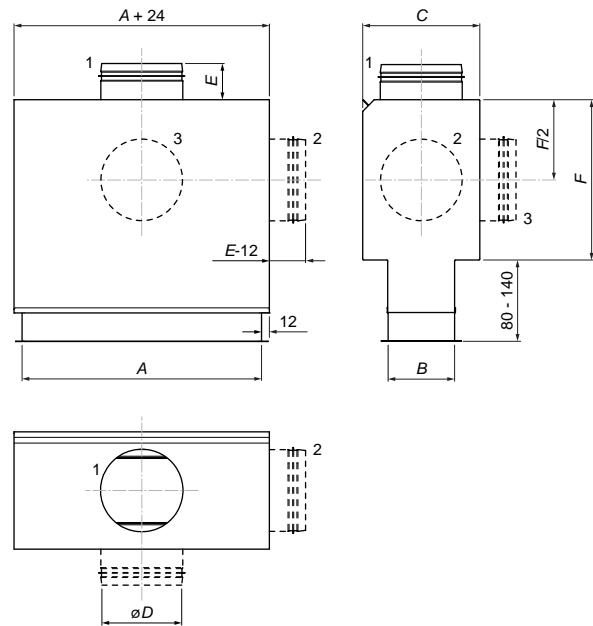
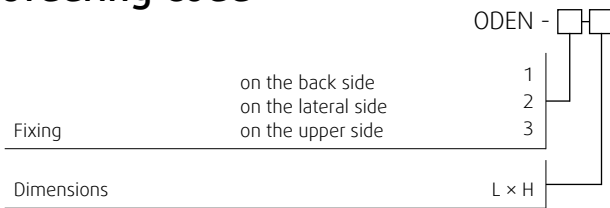


Fig. 1: The ODEN plenum box basic dimensions

Ordering code example:

ODEN - 1 - 400 × 100

Description

ODEN is a plenum box intended for both air supply and air extract. It can be used along with the NOVA series grilles for the supply air flow velocity reduction and a better distribution (optimizing) of the air flow through the grille. ODEN has an adjustable depth of the grille extension.

The adjustment of the requested air flow is done by a closing perforated damper with plastic tubes for pressure loss measuring (ZEUS damper). It is possible to adjust the damper manually without demounting the grille or the plenum box.

Design

The ODEN plenum box is manufactured from a galvanized steel sheet with a front, lateral or upper side round fixing with a rubber sealing. Acoustically insulated with Aifelt material 14mm thick on 4 walls inside (except inlet and outlet wall). 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".

ODEN	A	B	C	$\varnothing D$	E	F
	(mm)					
200 × 100	200	100	175	123	60	250
300 × 100	300	100	210	158	60	290
400 × 100	400	100	210	158	60	290
500 × 100	500	100	250	198	70	320
300 × 150	300	150	250	198	70	320
400 × 150	400	150	300	248	60	370
500 × 150	500	150	300	248	60	370
500 × 200	500	200	370	313	60	430
600 × 200	600	200	370	313	60	430

Tab. 1: The ODEN plenum box dimensions