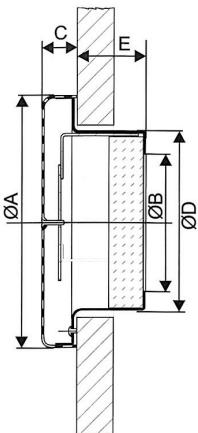
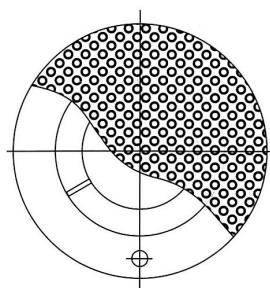


ROUND UNDERSEAT DISPLACEMENT TERMINALS

TYPE: PEL

**DESCRIPTION**

Supply air for cinemas, theatres and auditoriums. PEL is made of sheet steel and powder coated in white RAL 9010. Mount PEL in the terrace risers or in the floor, preferably under the seat.

GENERAL DATA

Unit size: Ø80.
Airflow rates: 5-9 l/s.
Pressuredrop: approx. 30 Pa.

CLEANING

Disconnect the unit. (Remove screws.)

MAINTENANCE

Cleaning is required when dirt has become visible on the unit. Use a damp cloth, possibly with a little dishwashing detergent.

DIMENSIONS

ØD Connecting dimension to the duct.

PERFORMANCE DATA

The soundlevel is applicable at an quivalent sound absorption area of 10m².

Sound power level L_w db (A) (see diagram 1)

Correction factor: Ko db from table 2

$$L_w = L_A + Ko$$

Attenuation in table 3 is incl. office attenuation.

Table 1 PEL

Size	ØA	ØB	C	ØD	E
80	110	60	15	78.5	35

Table 2 Correction Ko dB PEL

Size	Mid-frequency (Octave band) Hz							
	63	125	250	500	1000	2000	4000	8000
80	+11	+3	+2	0	0	-2	-5	-8

Tol ± 3 dB

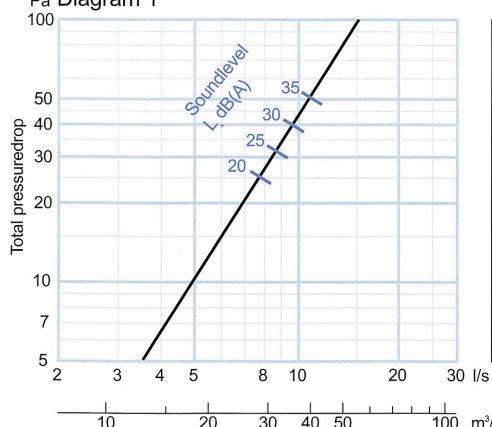
Table 3 Attenuation PEL

Size	Mid-frequency (Octave band) Hz							
	63	125	250	500	1000	2000	4000	8000
80	20	15	11	6	4	6	6	4

Tol ± 3 dB

PEL 80

Diagram 1



Affected area L , at $\Delta t = 3^\circ\text{C}$