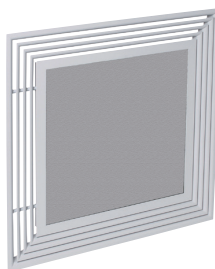


Ceiling Diffusers

Multi-slot square diffusers



ALD 610 K with central plate



ALD 610 K with suspended ceiling tile

New

Advantages

- Diffuser adapted to standard 600 x 600 and 675 x 675 mm ceiling tiles.
- Aesthetic design.
- Access to the air return filter.
- Accepts variable flow system.

APPLICATION

- Air supply or exhaust. Four direction horizontal fixed diffusion with 1, 2, 3 or 4 slots.
- Filter holder version with opening core for easy access to the interior filter.
- Heating installations ($\Delta T_{\max} = + 30^{\circ} \text{C}$) and air-conditioning ($\Delta T_{\max} = - 16^{\circ} \text{C}$) installations.
- Ceiling mounted diffuser designed to replace a 600 x 600 or 675 x 675 mm suspended ceiling tile (T-shaped framework).

DESCRIPTION

- Body and deflectors in epoxy painted aluminium extrusions, RAL 9010 white tint.
- White epoxy painted steel RAL 9010 tint.
- NOTE: the central plate may be replaced by a suspended ceiling tile cut in the same format as the plate for a more attractive integration.
- Filter holder model with opening central core.
- Side (RE type) or top (RT type) connection plenum in galvanised steel, simple or insulated.
- Diffuser fixed to plenum using non-removable clips. Fixing to all of the concrete tile using the lugs located on the plenum.

NOTE: the diffuser weight must not be borne by the structure of the suspended ceiling. Use the suspension cables.

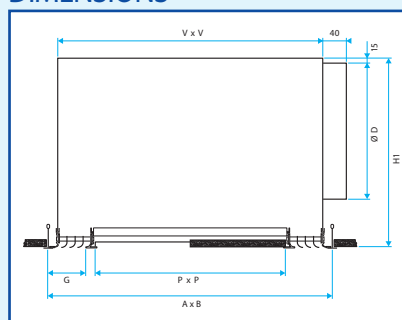
ACCESSORIES

- G2 or G3 flat filter for exhaust (M1).
- Adjustment damper mounted on the plenum with access via the diffuser.
- 2 or 5 sided plenum insulation (M1 polyurethane foam).

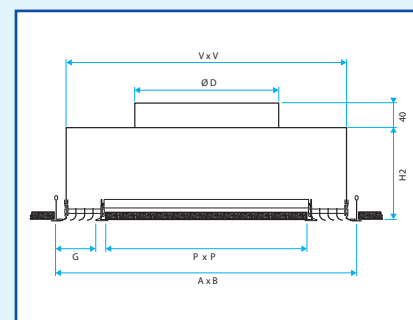
ADDITIONAL RANGE

- Paint finish in accordance with the RAL colour chart (please, consult us).

DIMENSIONS



ALD 610 K diffuser with plenum with side connection



ALD 610 K diffuser with plenum with bottom connection

Comfort airflow levels for $L_w < \text{NR } 35$ and dimensions

A x B* (mm)	No of slots	P x P (mm)	V x V (mm)	H1 (mm)	H2 (mm)	G (mm)	Ø D (mm)	H1** (mm)	Ø D** (mm)	Airflow (m³/h)
600 x 600	1	508 x 508	560 x 560	265	125	25	200	325	250	300
600 x 600	2	474 x 474	560 x 560	325	125	42	250	325	250	500
600 x 600	3	440 x 440	560 x 560	325	125	59	250	325	250	750
600 x 600	4	406 x 406	560 x 560	325	125	76	250	325	250	900
675 x 675	1	583 x 583	635 x 635	265	125	25	200	325	250	350
675 x 675	2	549 x 549	635 x 635	325	125	42	250	325	250	550
675 x 675	3	515 x 515	635 x 635	325	125	59	250	325	250	850
675 x 675	4	481 x 481	635 x 635	325	125	76	250	325	250	1000

* Nominal ceiling tile dimensions.

**Air inlet diffuser version with filter only.

• See selection tables on page 285.

NOTE: the diffuser and its plenum cannot be sold separately.

RANGE R10

Dimensions	N°. slots	Air inlet diffuser with filter included option	Damper on RE610* plenum (option)	Filter holder on RE610 plenum option	Fixed diffuser without central plate ALD610K	Full central plate option	Plenum side connection RE610	Plenum with bottom connection RT610
		Code	Code	Code	Code	Code	Code	Code
600 x 600	1	11002861-b	11003321-b	11003321-a	11002861	11002861-a	11003321	11003331
600 x 600	2	11002862-b	11003322-b	11003322-a	11002862	11002862-a		
600 x 600	3	11002863-b	11003323-b	11003323-a	11002863	11002863-a		
600 x 600	4	11002864-b	11003324-b	11003324-a	11002864	11002864-a	11003324	11003334
675 x 675	1	11002866-b	11003326-b	11003326-a	11002866	11002866-a	11003326	11003336
675 x 675	2	11002867-b	11003327-b	11003327-a	11002867	11002867-a		
675 x 675	3	11002868-b	11003328-b	11003328-a	11002868	11002868-a		
675 x 675	4	11002869-b	11003329-b	11003329-a	11002869	11002869-a	11003329	11003339

AVAILABLE OPTIONS

Diffuser	Plenum
Epoxy paint according to RAL colour chart	1 additional connector
	2 sides insulation
	5 sides insulation

Air supply with ceiling effect

The values L_w (NR) do not take the attenuation in the premises into account. Tests carried out with a standard plenum. $V_t = 0.37 \text{ m/s}$



Air exhaust without filter

The values Lw (NR) do not take the attenuation in the premises into account. Tests carried out with a standard plenum.



Air exhaust with G2 filter

The values L_w (NR) do not take the attenuation in the premises into account. Tests carried out with a standard plenum. $D_p > 70 \text{ Pa}$