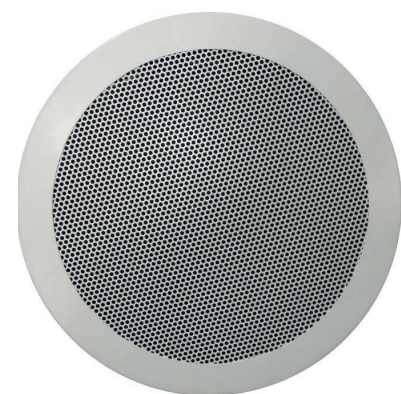


DFRE-C-PR



Catalogue Series 40.3



Stationary-fin swirl diffuser with perforated plate



Product description

Stationary-fin swirl diffuser with perforated plate, KOOLAIR **DFRE-C-PR** model, size , dimension . Consists of a perforated round plate with a stationary-fin swirl diffuser in the interior. Both the perforated plate and the swirl diffuser are removable. Manufactured entirely of steel plate. Painted RAL finish upon request. Recommended installation height of 2.5 to 3.5 m.



Other models

DFRE-C-PR-R. Circular return diffuser with perforated plate.

DFRE-C-PR-I Coanda plate. Circular stationary-fin swirl diffuser with perforated plate and exterior extension.

Mounting

SP. Without plenum.

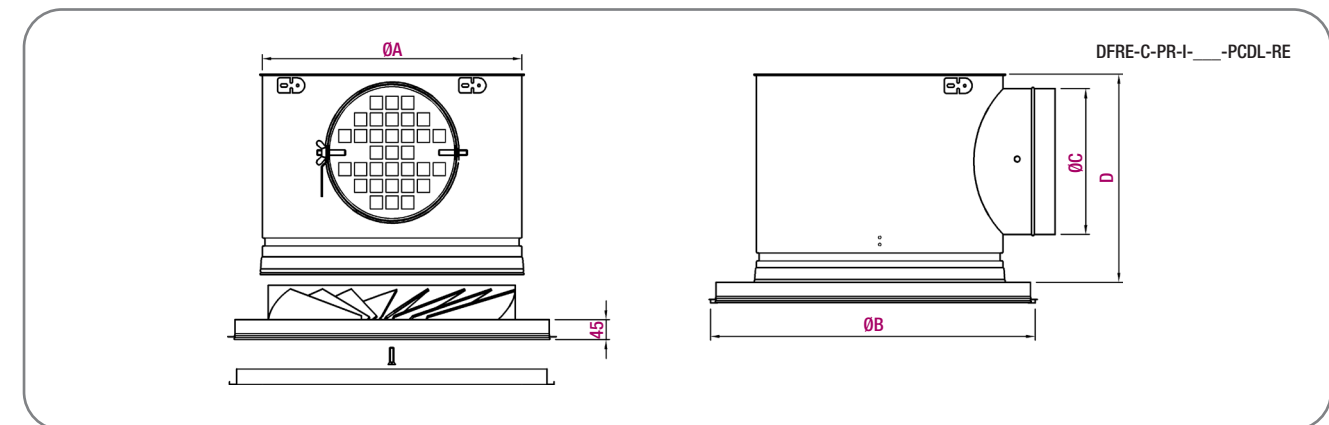
PCDL-RE. Lateral connection plenum box, detachable and not internally insulated, with volume control damper accessible from drop ceiling.

PCDL-A-RE. Lateral connection plenum box, detachable and internally insulated, with volume control damper accessible from drop ceiling.

Note: On request, top plenum available insulated/ uninsulated (PCDS-A-RE/PCDS-RE).

DFRE-C-PR-I Coanda plate

General dimensions



Custom plenums available to suit reduced heights above false ceilings.

Model	ØA	ØB	ØC	D	OPENING
160	173	360	124	195	335
200	213	403	159	230	337
250	263	450	199	270	423
315	328	503	249	320	475
355	368	550	249	320	523
400	413	594	314	385	567
500	513	633	315	385	605

Unit mm

Selection table

Size	Q (m³/h)	L _{WA} [dB(A)]	ΔP _t (Pa)	X (m)
160	70	24	8	0,4
	100	32	16	0,6
	140	40	31	0,8
200	110	24	9	0,5
	160	32	19	0,7
	225	40	38	1,0
250	160	24	8	0,7
	230	32	16	0,9
	330	40	34	1,3
315	250	24	5	0,8
	350	32	10	1,2
	500	40	21	1,7
355	275	24	5	0,9
	400	32	11	1,3
	545	40	23	1,9
400	475	24	8	1,3
	675	32	17	1,9
	950	40	33	2,6
500	650	24	10	1,6
	950	32	21	2,4
	1350	40	43	3,2



LEGEND

Q (m³/h): Air flow.

L_{WA} [dB(A)]: Sound power level.

ΔP_t (Pa): Total pressure loss.

X (m): Throw for a maximum velocity of 0.25 m/s at the occupied zone ΔT = −10 °C (cold), installed at 3 m of height.