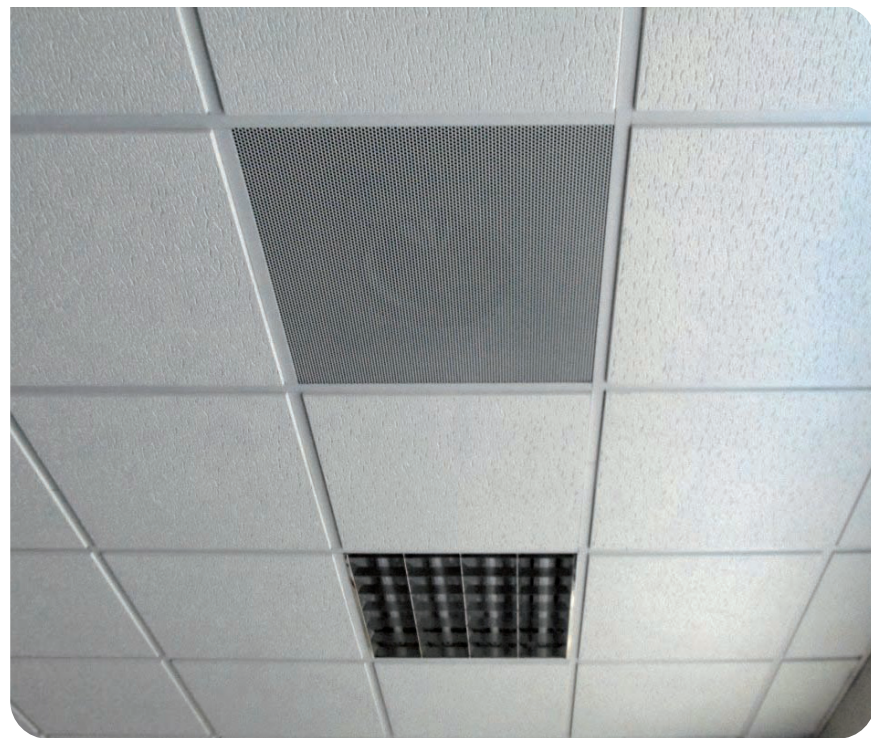


DFRE-GR-PR



Catalogue Series 40.3



Fixed Blade Swirl diffuser

Product description

KOOLAIR fixed blade swirl diffuser, model **DFRE-GR-PR-Q**, size **_**, integrated in 595x595 mm perforated ceiling tile. With fixed perforated sheet and no frame. Includes plenum with lateral connection and regulating damper.

Made of sheet steel. Painted finish in RAL colour of choice. Recommended installation height is between 2.5 and 3.5 m.

Other models

DFRE-GR-PR dimensions LxH. Swirl diffuser integrated in perforated ceiling tile with dimensions to be determined, to be installed in a modular false ceiling.

DFRE-GR-PR-C. Swirl diffuser integrated in circular perforated ceiling tile. Neither the perforated ceiling tile nor the swirl diffuser are demountable.

DFRE-GR-Q-PR-HA. Swirl diffuser with frame, integrated in 595x595 mm perforated ceiling tile. Includes hinged perforated plate and plenum box with lateral connection regulating damper.

Mounting

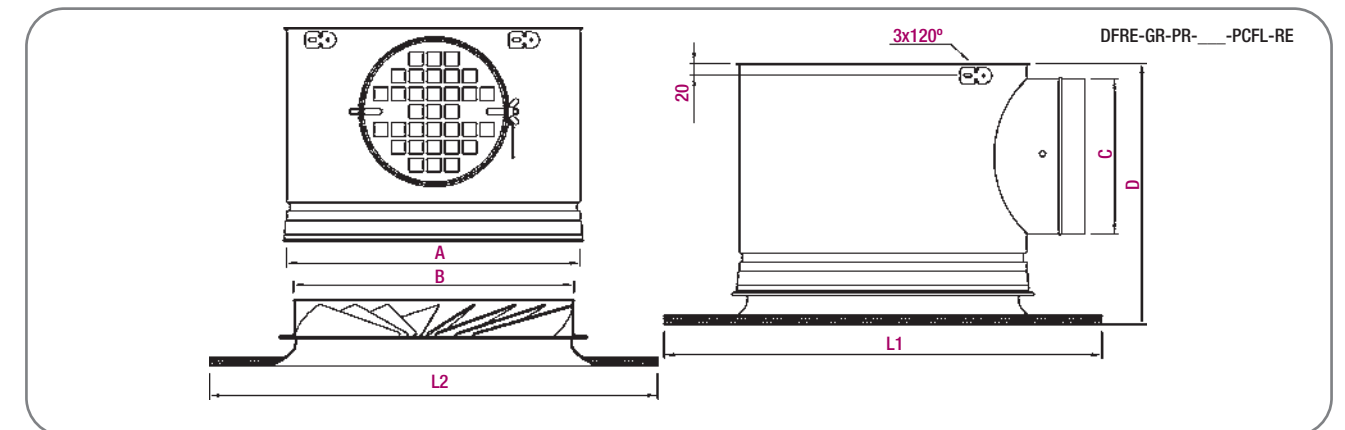
PCFL-RE. Fixed plenum box without internal insulation, with manual damper.

PCFL-A-RE. Fixed plenum box with side connection internally insulated, with manual damper.

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



General dimensions



Custom plenums available to suit reduced heights above false ceilings.

Type	A	B	C	D	DFRE-GR-PR L1 x L2	DFRE-GR-PR-Q L1 x L2
125	130	124	99	198	594 x 1194 625 x 625	594 x 594
160	165	159	124	223		
200	205	199	159	258		
250	255	249	199	298		
315	320	314	199	298		
355	360	354	249	348		
400	405	399	249	348		
500	505	499	314	413		

Unit mm

Selection table

Size	Q (m³/h)	L _{wa} [dB(A)]	ΔP _t (Pa)	X (m)
125	40	24	9	0,5
	60	32	17	0,7
	80	40	33	1,0
160	60	24	8	0,5
	90	32	15	0,7
	120	40	29	1,0
200	110	24	8	0,8
	150	32	15	1,1
	200	40	29	1,4
250	160	24	8	1,0
	220	32	15	1,3
	290	40	27	1,8
315	240	24	8	1,2
	320	32	15	1,5
	420	40	26	2,0
355	290	24	8	1,3
	380	32	14	1,7
	510	40	24	2,2
400	320	24	6	1,2
	440	32	11	1,7
	610	40	20	2,3
500	415	24	7	1,3
	570	32	13	1,8
	775	40	24	2,5



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.