

# DFRA-OV-PR

## Swirl diffuser with movable blades and perforated plate



### Product description

Oval swirl diffuser with movable blades and foldable perforated plate, KOOLAIR model **DFRA-OV-PR**, size  $\_$ , plate size 1195x295 mm for installation in modular false ceiling.

Incorporates a galvanized steel plenum with lateral connection. Includes a regulating damper to guarantee correct air distribution.

It is designed and manufactured to adapt to any type of plate and roof profile, including the number of vanes (effective free area) in accordance with the flow rate requirements.

Made entirely of sheet steel. Painted finish in any RAL colour.

*Note: On request, top plenum available insulated/ unisolated (PDS-A-RE/PDS-RE).*

### Other models

**DFRA-OV-E-PR.** Swirl diffuser integrated in 1220x320 mm plate for installation in plaster false ceilings.

**DFRA-OV-PR dimensions LxH.** Swirl diffuser integrated in plate, dimensions to be confirmed, for installation in false ceiling.

### Mounting

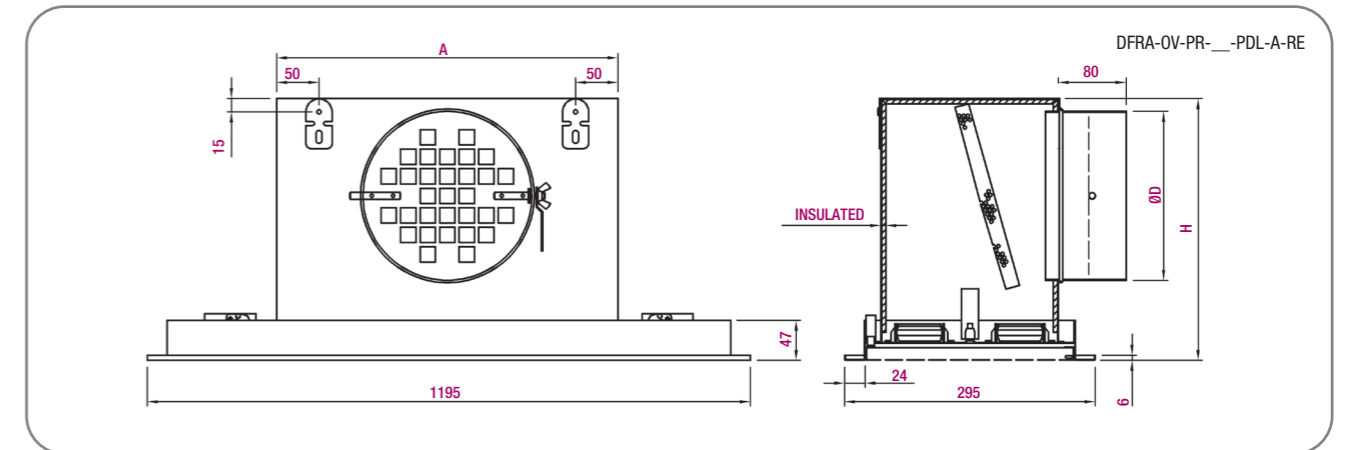
**PFL-RE.** Fixed plenum box without internal insulation, made in galvanised steel sheet.

**PFL-A-RE.** Fixed plenum box with side connection internally insulated, made in galvanised steel sheet.

**PDL-RE.** Removable plenum box with side connection, internally non-insulated, made in galvanised steel sheet.

**PDL-A-RE.** Removable plenum box with side connection, internally insulated, made in galvanised steel sheet.

### General dimensions



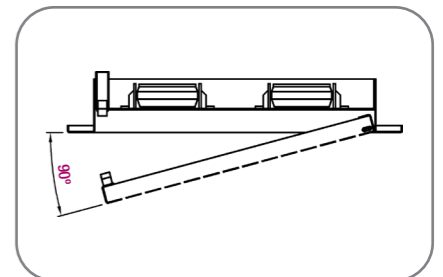
Custom plenums available to suit reduced heights above false ceilings.

Model	Slots	A	ØD	H
DFRA-OV-PR-12	12	450	200	311
DFRA-OV-PR-16	16	450	200	311
DFRA-OV-PR-24	24	450	200	311
DFRA-OV-PR-34	34	780	200	311
DFRA-OV-PR-36	36	1115	200	305
DFRA-OV-PR-HC-26	26	900	250	356

Unit mm

### Selection table

Size	Q (m³/h)	L <sub>WA</sub> [dB(A)]	ΔP <sub>t</sub> (Pa)	X (m)
16	185	24	9	1,1
	240	32	11	2,0
	320	40	25	1,9
24	215	24	8	1,7
	280	32	14	2,3
	365	40	19	2,5
HC-26	360	24	9	1,7
	470	32	15	2,1
	630	40	28	2,9
34	250	24	9	1,7
	330	32	15	2,2
	425	40	25	2,9
40	275	24	10	1,7
	350	32	16	2,2
	450	40	27	2,8



### LEGEND

Q (m³/h): Air flow.  
L<sub>WA</sub> [dB(A)]: Sound power level.  
ΔP<sub>t</sub> (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, with ceiling effect.

