



Serie **DFO**



CONCEALED LINEAR DIFFUSER



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CONCEALED LINEAR DIFFUSER SERIE DFO



MODELS

DFO10

Concealed linear diffuser with directional blades, L (mm) x 1 slot.



DFO10C

Concealed linear diffuser with directional blades and flow regulation (slide control damper), L (mm) x 1 slot.



DFO10P

Concealed linear diffuser with directional blades and plenum box, L (mm) x 1 slot.

DFO10PA

Concealed linear diffuser with directional blades and internally insulated plenum box, L (mm) x 1 slot.

DFO10CP

Concealed linear diffuser with directional blades, with plenum box and flow regulation in the opening port of the plenum (accessible from the false ceiling), L (mm) x 1 slot.

DFO10CPA

Concealed linear diffuser with directional blades, internally insulated plenum box and flow regulation in the opening port of the plenum (accessible from the false ceiling), L (mm) x 1 slot.

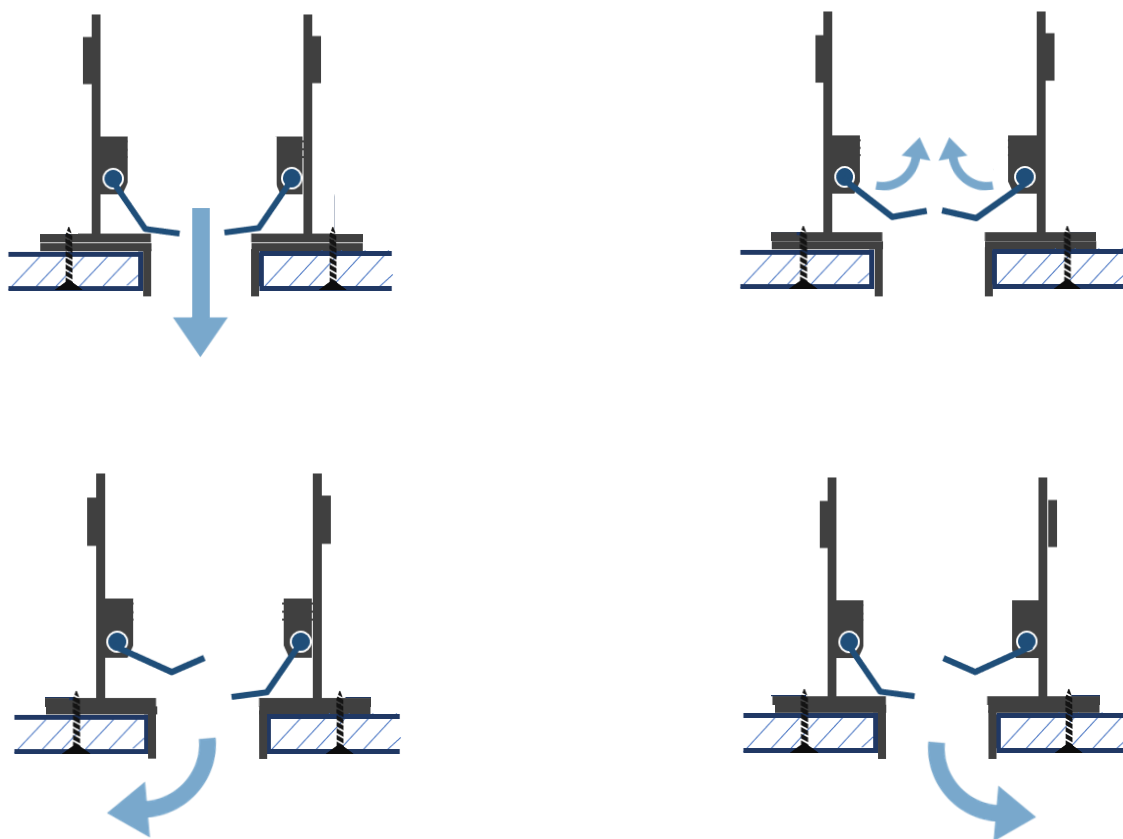
CONCEALED LINEAR DIFFUSER SERIE DFO

APPLICATIONS

Concealed linear diffuser with blades specially designed for ceiling discharge. It allows directing the air stream horizontally or vertically depending on the ceiling height and the temperature difference.

Its conception and design allow to adapt to the current minimalist design, in which it is important that the elements are as hidden as possible.

AIR FLOW ORIENTATION



ACCESSORIES

- Flow regulation adjustment by means of a slide damper incorporated in the aluminum profiles (except in models with Plénum).
- Fixed connection plenum (standard), attached to the diffuser by means of rivets.

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- Regulation adjustment of sheet metal disc in the plenum opening port, accessible from the false ceiling (standard).
- Regulation adjustment of equalizing plate disc in the plenum box, accessible from the false ceiling.
- Plastic disc regulation adjustment in the plenum opening port, accessible from the room.
- Equalizer plate disc regulation adjustment in the plenum opening port, accessible from the room.
- Finishing pair, It will be supplied installed, and the required number of pairs will be 1 per continuous diffuser line.

FINISHES (Diffuser)

- Diffuser made in **WHITE LACQUERED** aluminum.
- On request, it can be manufactured in aluminum lacquered in other colors of the **RAL CHARTER**.

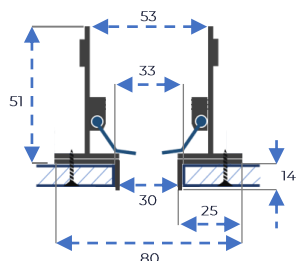
FINISHES (blades)

- **BLACK LACQUERED** (STANDARD) aluminum blades.
- **WHITE LACQUERED** aluminum blades.
- On request, it can be manufactured in aluminum lacquered in other colors of the **RAL CHARTER**.

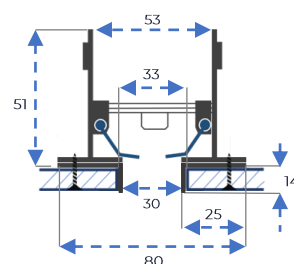
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DIMENSIONS

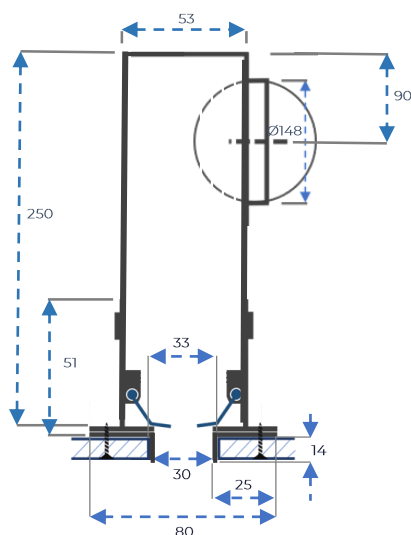
DFO10



DFO10C



DFO10CP



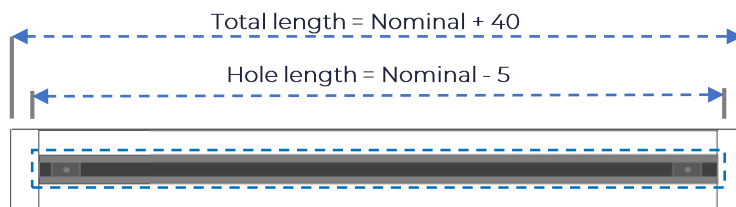
MEASUREMENT DISTRIBUTION

L MEAS's (mm)	SECTIONS		L MEAS's (mm)	SECTIONS	
2000		1x2000	6500	3X1500	1X2000
2500	1x1500	1x1000	7000	2X1500	2X2000
3000	2X1500		7500	1X1500	3X2000
3500	1X1500	1X2000	8000		4X2000
4000		2X2000	8500	3X1500	2X2000
4500	3X1500		9000	2X1500	3X2000
5000	2X1500	1X2000	9500	1X1500	4X2000
5500	1X1500	2X2000	10000		5X2000
6000		3X2000			

NUMBER OF CONNECTION SOCKETS IN THE PLENUM

0 < L ≤ 1000 → 1 CONNECTION PORT.

1000 < L ≤ 2000 → 2 CONNECTION PORTS.

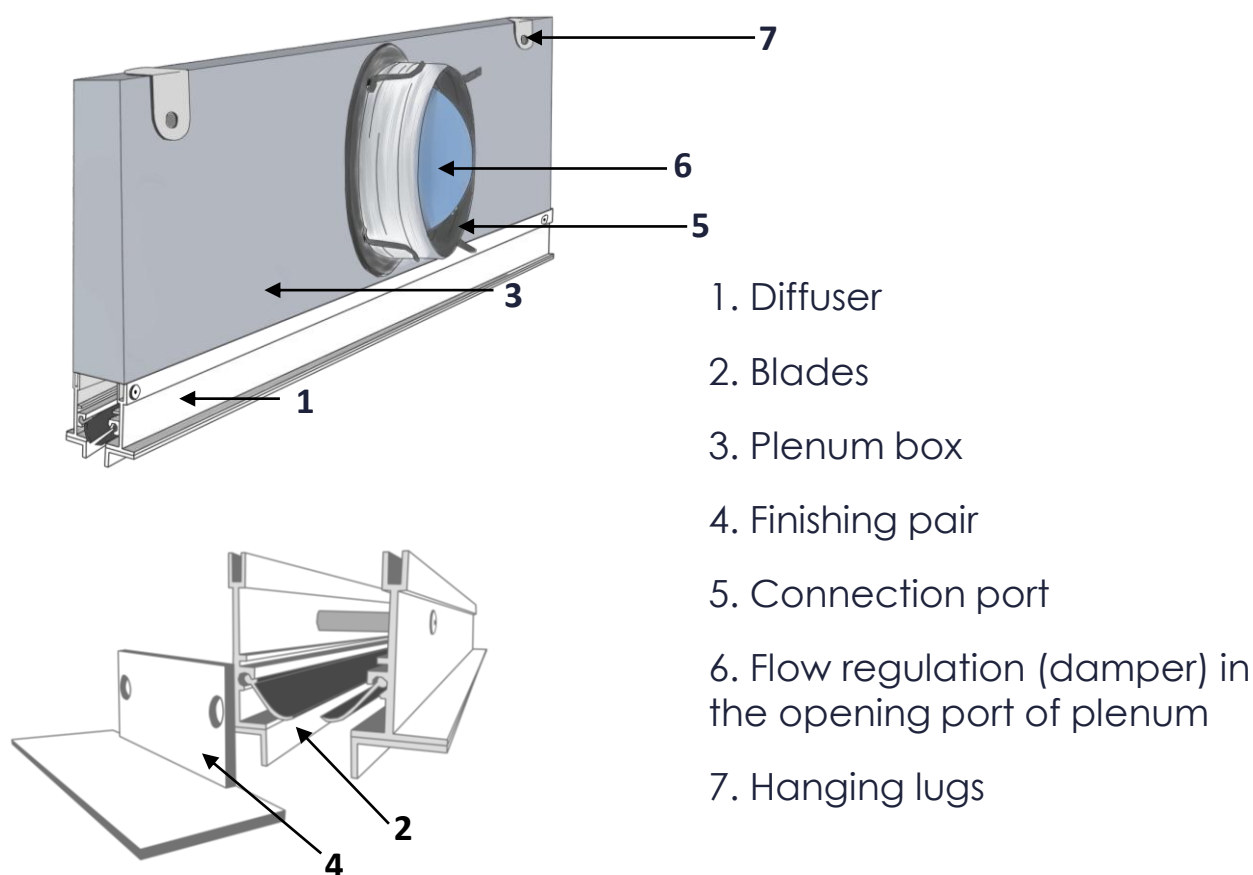


* The opening of the hole is measured in: L- 5mm x H. (H = 34mm).

NOTE: For intermediate sizes, the next larger size is selected and if it contains a single diffuser of one size, the difference will be subtracted from it until the requested size is reached. If it contains more than 1 unit of each size, the smaller size will be subtracted.

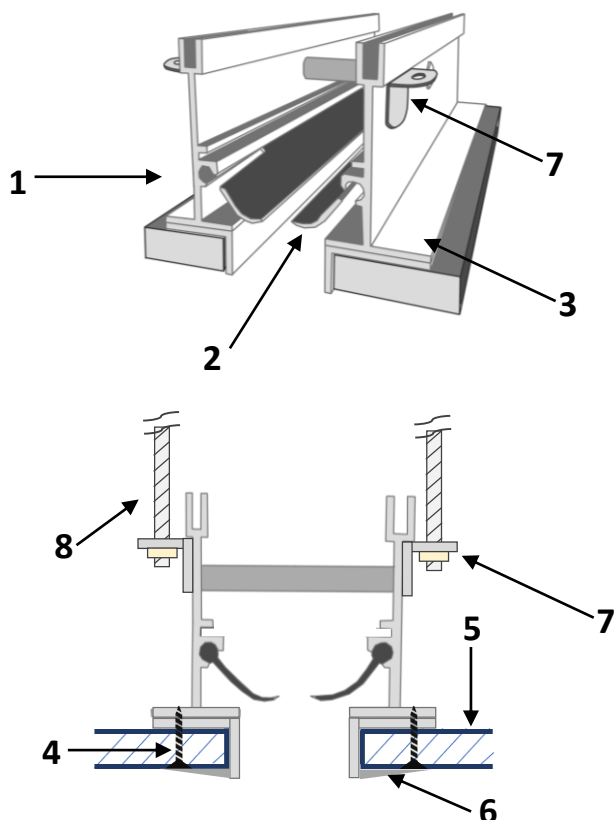
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Installation detail with plenum



Detail of installation with lugs (without plenum)

1. Diffuser
2. Blades
3. Side profile
4. Screws
5. Ceiling
6. Filler
7. Hanging lugs
8. Screw rod (not included)



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QUICK SELECTION TABLE

DFO10 (WITHOUT SLIDE DAMPER)		
N° Slots	1	
100	Ve	2,6
	L	1,5
	ΔP	1,4
	dB(A)	<15
150	Ve	4,0
	L	2,0
	ΔP	2,0
	dB(A)	<15
200	Ve	5,4
	L	2,5
	ΔP	2,9
	dB(A)	24
250	Ve	6,7
	L	3,0
	ΔP	3,7
	dB(A)	33

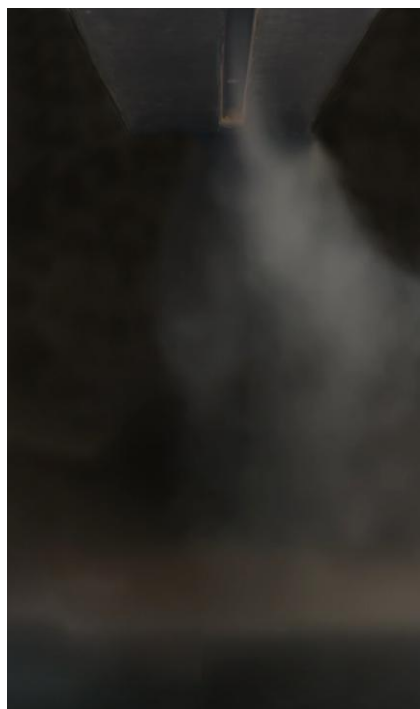
DFO10C (WITH SLIDE DAMPER)		
N° Slots	1	
100	Ve	5,4
	L	2,5
	ΔP	2,9
	dB(A)	17
150	Ve	8,1
	L	3,5
	ΔP	5,5
	dB(A)	34

Ve = Air velocity through diffuser neck

dB(A) = Sound level.

ΔP = Pressure drop mm c.a.

L = Range in m.l. for final speed 0.2-0.5 m/s.



CONCEALED LINEAR DIFFUSER

SERIE DFO

Serie	Model		Meas's	Finish	Blade Finish	Accessories
	10	10PA		LB (Estándar)	AN (Estándar)	PR
DFO	10C	10CP	L x 1 slot		AB	
	10P	10CPA		RAL	RAL	

DFO10-1000-LB+AN+PR

DESCRIPTION

SERIE

- DFO: Concealed linear diffuser.

MODEL

- DFO10: Concealed linear diffuser with directional blades.

MEASUREMENT (mm)

- L: 1000mm.

FINISH

- LB: White lacquered aluminum diffuser (standard).

BLADE FINISH

- AN: Black blades (standard).

ACCESSORIES (optional)

- PR: Finishing pair.

Order example: DFO10 1000 LB+AN+PR

- To order concealed linear diffuser, 1000mm, white lacquered with black blades and finishing pair, you should request:

Order	Description	Will be supplied
1 Diffuser DFO10 1000-LB-AN	Concealed linear diffuser with directional blades, 1000mm, white lacquered with black blades.	1 Concealed linear diffuser with directional blades, 1000mm, white lacquered with black blades.
1 Pair PR	Finishing pair for concealed linear diffuser.	1 Finishing pair for concealed linear diffuser. Each pair installed on each side of the diffuser.

Order example: DFO10CP 3000 LB+ AB +PR

- To order concealed linear diffuser, 3000mm, with plenum box and flow regulation (damper) in the opening port of plenum, white lacquered, white blades and finishing pair, you should request:

Order	Description	Will be supplied
1 Diffuser DFO10CP-LB+AB	Concealed linear diffuser with directional blades, 3000mm, with plenum box and flow regulation in the opening port of plenum, white lacquered and white blades.	2 Concealed linear diffusers with directional blades, 1500mm each, with plenum box and flow regulation in the opening port of plenum, white lacquered and white blades.
1 Pair PR	Finishing pair for concealed linear diffuser.	1 Finishing pair for concealed linear diffuser. Each pair installed on each side of the diffuser.



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