



Serie QCF-N

FIXED CIRCULAR ROTATIONAL
DIFFUSER WITH COLLAR



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FIXED CIRCULAR ROTATIONAL DIFFUSER WITH COLLAR SERIE QCF-N



MODELS

QCF-N 200/300/300

Circular swirl/rotational diffuser Ø300 mm in sheet steel with fixed blades and neck/collar for an average flow rate of 200 m³/h.

QCF-N 300/400/400

Circular swirl/rotational diffuser Ø400 mm in sheet steel with fixed blades and neck/collar for an average flow rate of 300 m³/h.

QCF-N 500/500/500

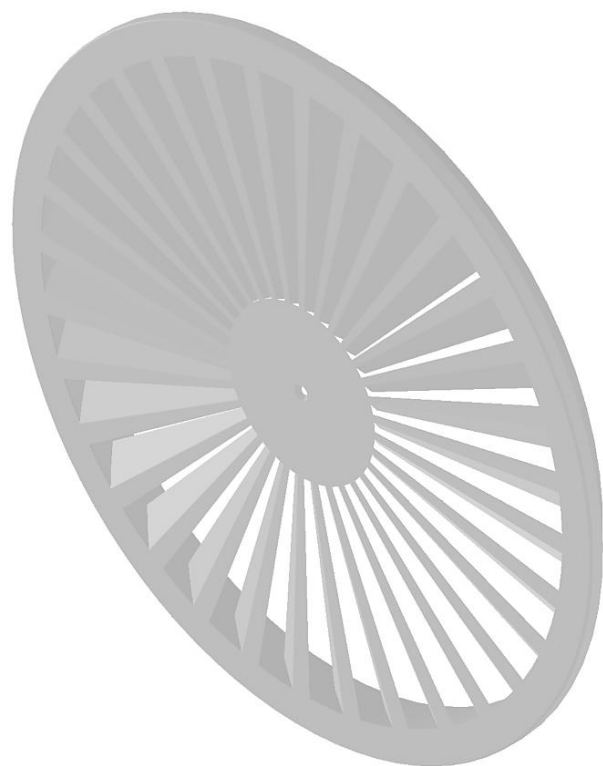
Circular swirl/rotational diffuser Ø500 mm in sheet steel with fixed blades and neck/collar for an average flow rate of 500 m³/h.

QCF-N 600/600/600

Circular swirl/rotational diffuser Ø600 mm in sheet steel with fixed blades and neck/collar for an average flow rate of 600 m³/h.

QCF-N 600/600/625

Circular swirl/rotational diffuser Ø625 mm in sheet steel with fixed blades and neck/collar for an average flow rate of 600 m³/h.



FIXED CIRCULAR ROTATIONAL DIFFUSER WITH COLLAR **SERIE QCF-N**

FEATURES

Our QCF-N swirl/rotational diffuser is made of sheet steel, lacquered with epoxy paint. The fixed blades are the same color as the steel sheet.

FINISH

- **WHITE LACQUERED** diffuser.
- On request, it can be manufactured in other colors of the **RAL CHART**.

ACCESSORIES

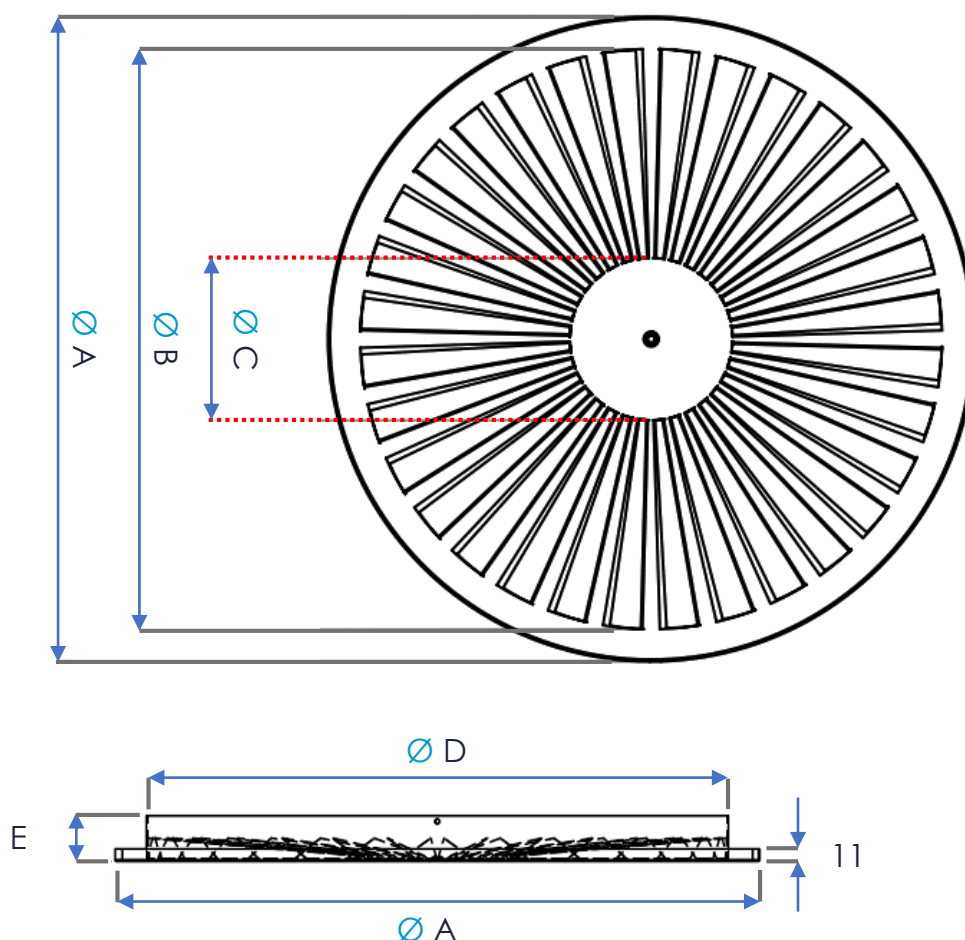
- Mounting crossbar.
- Insulated lateral connection plate plenum with regulation and equalizer plate.
- Insulated upper connection plate plenum with regulation and equalizer plate.

FIXING SYSTEM

- By means of screw for central fixing.

FIXED CIRCULAR ROTATIONAL DIFFUSER WITH COLLAR SERIE QCF-N

DIMENSIONS



***Nota:** example of model description “**QCF-N 200 / 300 / 300**”

1. **200:** reference name.
2. **300:** blade assembly circumference.
3. **300:** plate measurement.

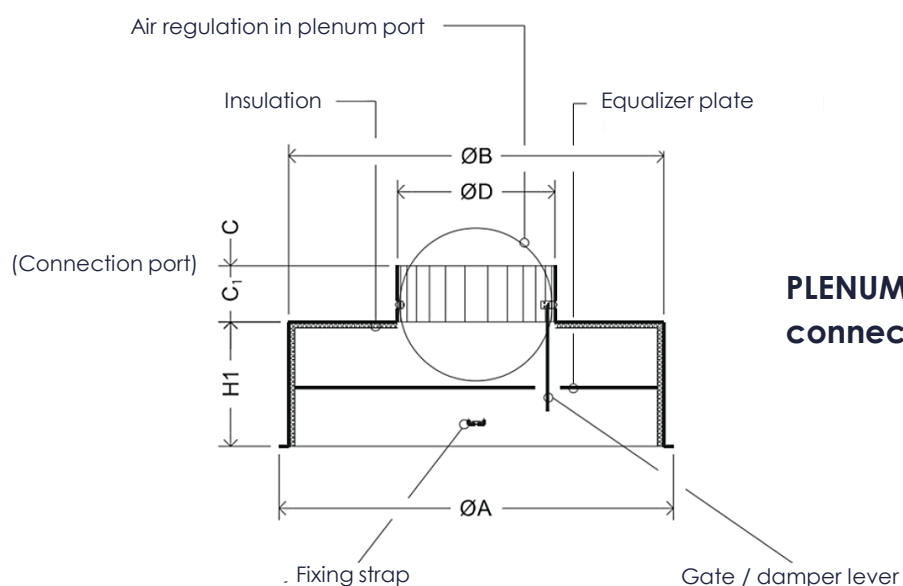
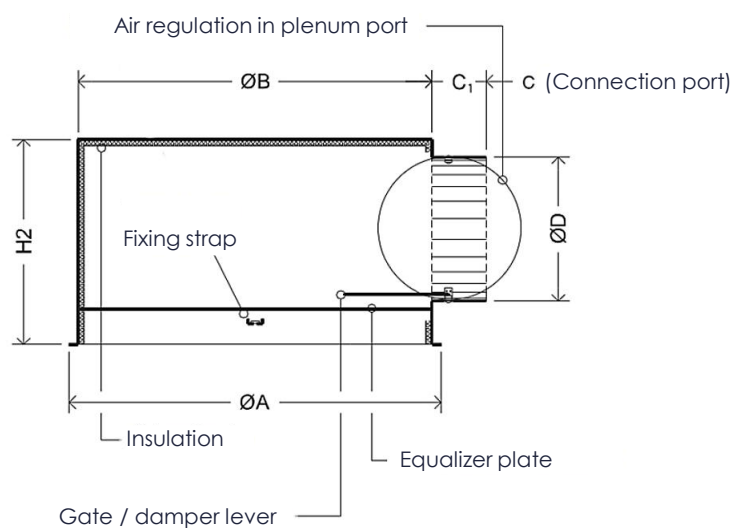
*Measurements in millimeters (mm)

MODEL	$\varnothing A$	$\varnothing B$	$\varnothing C$	$\varnothing D$	N° Blades	E
QCF-N200/300/300	296	236	100	238	28	41
QCF-N300/400/400	396	336	150	338	30	41
QCF-N500/500/500	496	436	150	438	32	41
QCF-N600/600/600	596	536	150	538	32	22
QCF-N600/600/625	621	536	150	538	32	22

FIXED CIRCULAR ROTATIONAL DIFFUSER WITH COLLAR SERIE QCF-N

Installation by Plénum:

**PLENUM with lateral
connection port (PLERC_L)**



**PLENUM with upper
connection port (PLERC_S)**

DIMENSION TABLE FOR PLENUM

PLENUM	Dimensions	ØA	ØB	C	C1	ØD	H1 (PLERC_S)	H2 (PLERC_L)
PLERC300	296	280	260	60	90	121	150	250
PLERC400	396	380	360	60	90	196	200	300
PLERC500	496	480	460	60	90	196	200	300
PLERC600	596	580	560	60	90	246	200	300
PLERC625	621	605	585	60	90	246	200	300

FIXED CIRCULAR ROTATIONAL DIFFUSER WITH COLLAR SERIE QCF-N

QUICK SELECTION TABLE

	Diameter Ø	300	400	500	600	625
m³/h						
100	Alc I db(A) Δ P	1.15 <20 0.33	0.85 <20 0.22			
150	Alc I db(A) Δ P	1.8 30 0.75	1.34 21 0.49	0.88 <20 0.25		
200	Alc I db(A) Δ P	2.47 39 1.33	1.84 28 0.88	1.23 <20 0.44		
250	Alc I db(A) Δ P	3.15 45 2.07	2.36 34 1.37	1.59 22 0.68	1.01 <20 0.3	1.01 <20 0.3
300	Alc I db(A) Δ P		2.88 38 1.97	1.95 27 0.98	1.25 <20 0.43	1.25 <20 0.43
350	Alc I db(A) Δ P		3.42 42 2.69	2.33 31 1.34	1.5 21 0.59	1.5 21 0.59
400	Alc I db(A) Δ P		3.97 46 3.51	2.72 34 1.75	1.76 25 0.77	1.76 25 0.77
450	Alc I db(A) Δ P			3.11 38 2.21	2.03 29 0.97	2.03 29 0.97
500	Alc I db(A) Δ P			3.51 40 2.73	2.3 32 1.2	2.3 32 1.2
600	Alc I db(A) Δ P			4.32 45 3.93	2.86 37 1.73	2.86 37 1.73
700	Alc I db(A) Δ P				3.43 41 2.35	3.43 41 2.35
800	Alc I db(A) Δ P				4.03 45 3.07	4.03 45 3.07
1.000	Alc I db(A) Δ P				---	---
1.200	Alc I db(A) Δ P				---	---
1.500	Alc I db(A) Δ P				---	---

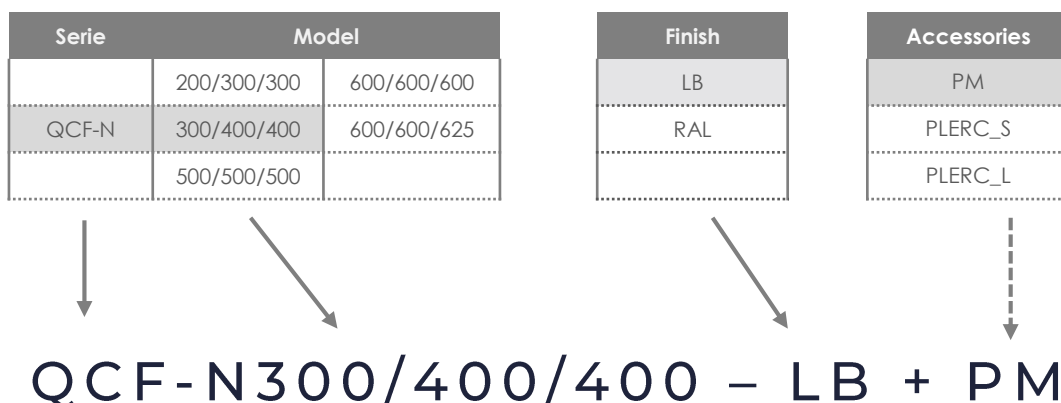
Alc I: Air supply range (m)

db(A): Sound level without regulation

Δ P: Static pressure drop (mm c.a)

FIXED CIRCULAR ROTATIONAL DIFFUSER WITH COLLAR SERIE QCF-N

GRAPHIC DESCRIPTION



DESCRIPTION

SERIE

- QCF-N: Circular rotational diffuser with collar and fixed blades.

MODEL

- QCF-N 300/400/400: Circular rotational diffuser Ø400 mm with collar and fixed blades for an average flow rate of 300 m³/h.

FINISH

- LB: Lacado en blanco.

ACCESSORIES (optional)

- PM400: Mounting crossbar for QCF-N300/400/400.

Order example: QCF-N300/400/400-LB+PM400

- To order a circular rotational diffuser Ø400 mm with collar and fixed blades for an average flow rate of 300 m³/h, white lacquered, with mounting crossbar, you should request:

Order	Description
1 Diffuser QCF-N300/400/400-White lacquered	Circular swirl/rotational diffuser Ø400 mm with collar and fixed blades for an average flow rate of 300 m³/h, white lacquered
1 Crossbar PM400	Mounting crossbar for QCF-N 300/400/400.

Order example: QCF-N200/300/300-LB+PLERC_L

- To order a Circular rotational diffuser Ø300 mm with collar and fixed blades for an average flow rate of 200 m³/h, and circular insulated lateral connection plenum, you should request:

Order	Description
1 Diffuser QCF-N200/300/300-White lacquered	Circular swirl/rotational diffuser Ø300 mm with collar and fixed blades for an average flow rate of 200 m³/h, white lacquered.
1 Plenum PLERC300L	Circular insulated lateral connection plenum. Model PLERC300L with air regulation in connection port.



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