

**Lindab
NQ19-160
Ceiling
Diffuser**



Lindab NQ19-160 Ceiling Diffuser Instruction Manual

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Lindab NQ19-160 Ceiling Diffuser



Specifications

- Product: Lindab NQ19 Ceiling Diffuser
- Order Code: NQ19-315
- Nozzles: 100

Product Usage Instructions

Overview

The Lindab NQ19 Ceiling Diffuser is designed to provide supply air with individually adjustable nozzles for optimal air distribution. The product is part of Lindab's line of climate control solutions.

Dimensions and Variants

The NQ19 is available in various sizes with different numbers of nozzles to suit different ceiling systems. Refer to the user manual for detailed dimensions and variants information.

Installation

To install the NQ19 diffuser in a CBC plenum box, follow these steps:

1. Install the CBC plenum box in the ceiling.
2. Remove the faceplate of the NQ19 diffuser.
3. Use self-tapping screws to secure the diffuser in place.

Balancing

For detailed balancing instructions and k-factors, refer to the CBC installation instructions. Pull damper strings and measuring tube out of the plenum box through one of the center nozzles for balancing purposes.

Maintenance

The hinged faceplate of the NQ19 diffuser can be easily opened for cleaning internal parts or gaining access to the

duct or plenum box. Wipe visible parts with a damp cloth for regular maintenance. Refer to the CBC installation instructions for detailed maintenance procedures.

FAQ

Can I adjust the air patterns of the Lindab NQ19 Ceiling Diffuser?

Yes, the diffuser comes with individually adjustable nozzles that allow you to customize the air patterns according to your requirements.

How do I access the measuring tube and damper strings for balancing?

To access the measuring tube and damper strings, pull them out of the plenum box through one of the center nozzles before clicking on the faceplate. Ensure that the diffuser faceplate is on during balancing.

Is it necessary to use self-tapping screws for installation?

Yes, it is recommended to use self-tapping screws to secure the NQ19 diffuser in place during installation.

Overview

Overview



Supply air

NQ19-315 with 100 nozzles.

Order code



[CBC installation instruction](#)



Air patterns - Individually adjustable nozzles




Standard

S  Swirl (rotation)

S  4-ways

S  3-ways

S  2-ways

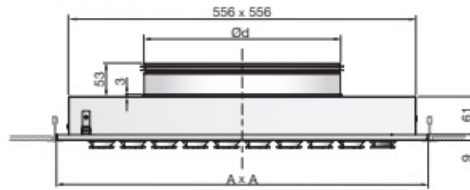
S  2-ways (corner)

S  1-way

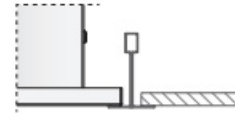
S  Vertical

Dimensions

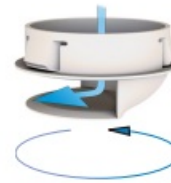
Dimensions



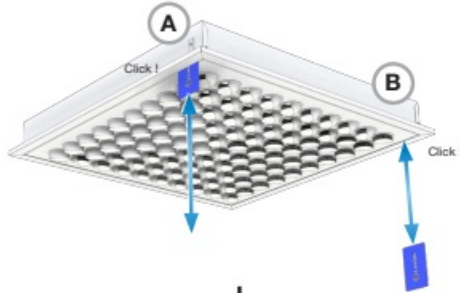
NQ19 Ød mm	Number of nozzles	A mm	m kg
160	36	595	5.7
200	64	595	5.5
250	81	595	5.5
315	100	595	5.2
400	121	595	5.0



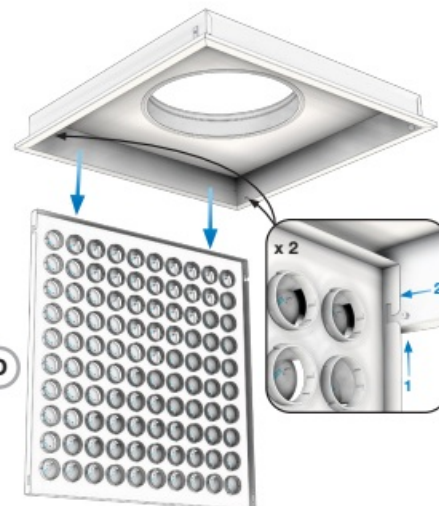
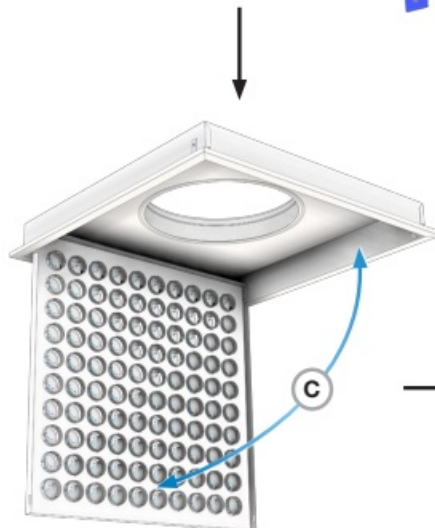
NQ19 upper part adapted to ceiling system 1



Hinged faceplate



It is recommended to use a credit card to open the face plate.



Installation Instruction

NQ19 variants

NQ19-160 (36 nozzles)



NQ19-200 (64 nozzles)



NQ19-250 (81 nozzles)



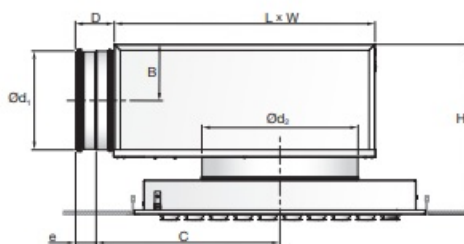
NQ19-315 (100 nozzles)



NQ19-400 (121 nozzles)



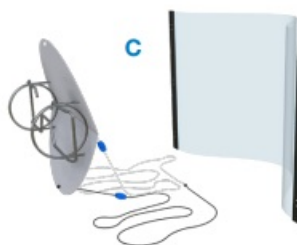
NQ19 + CBC plenum box



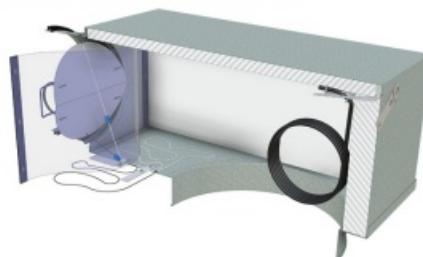
Ød ₁ mm	Ød ₂ mm	No. of nozzles	B	C	D	e	H	L	W
100	160	36	65	231	78	40	248 - 286	308	244
125	160	36	78	250	78	40	273 - 311	327	244
125	200	64	78	270	78	40	273 - 311	367	284
160	200	64	95	295	78	40	307 - 345	392	284
160	250	81	95	320	78	40	307 - 345	442	334
200	250	81	115	345	78	40	347 - 385	467	334
200	315	100	115	377	78	40	347 - 385	532	399
250	315	100	140	423	118	60	398 - 436	558	399
250	400	121	140	466	118	60	398 - 436	643	484
315	400	121	173	536	118	60	463 - 501	714	484

C damper

CBC

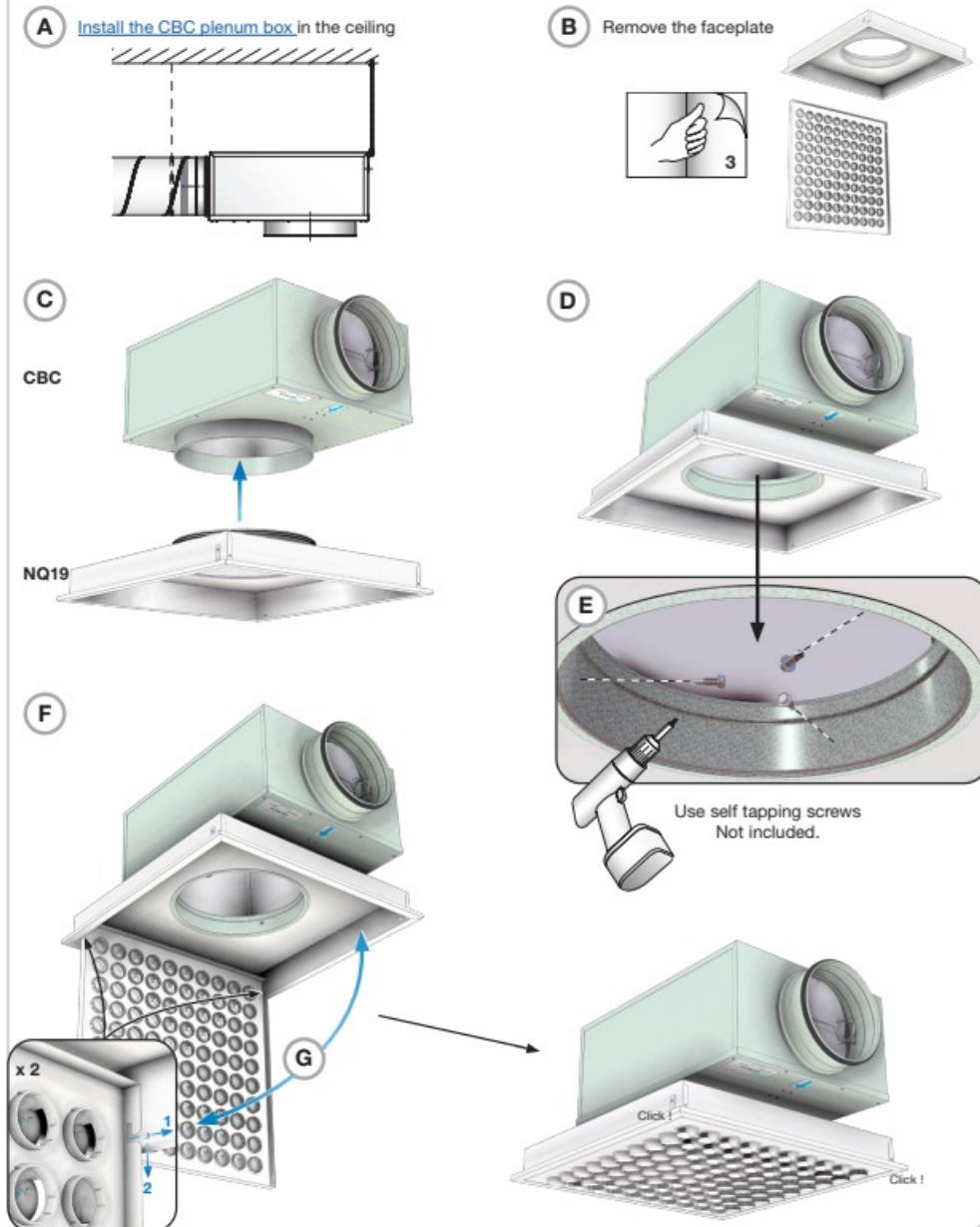


C damper installed in CB plenum box



Installation of NQ19 diffuser in CBC plenum box

Installation of NQ19 diffuser in CBC plenum box

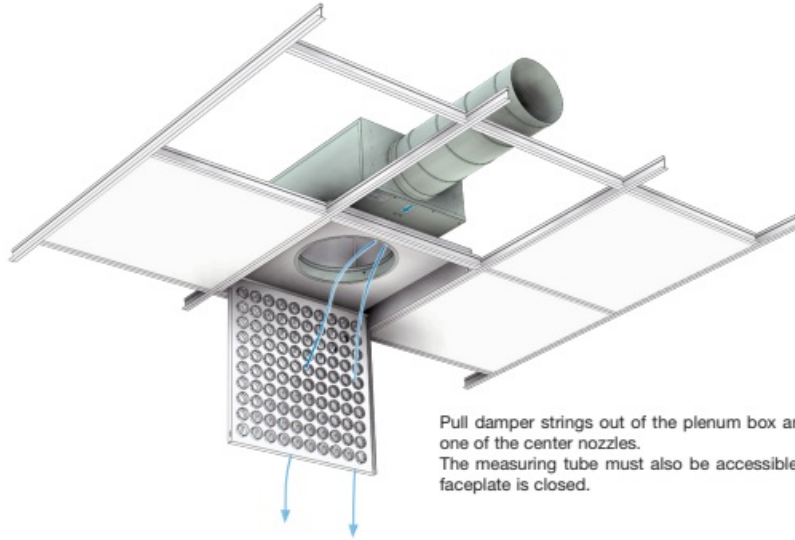


Balancing

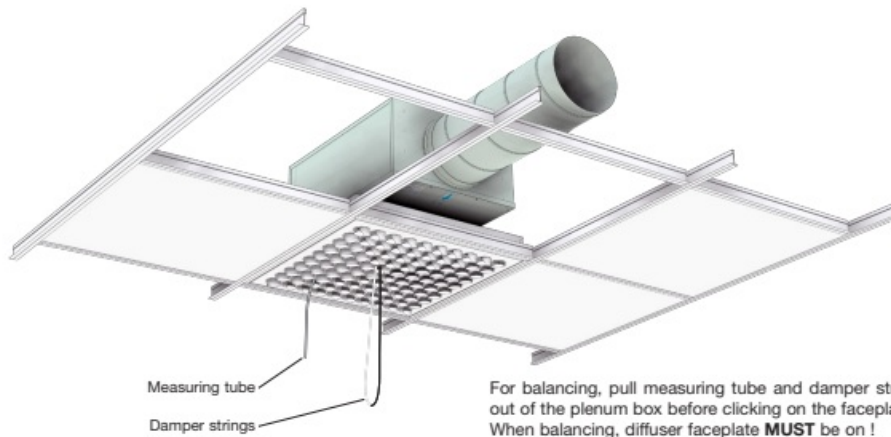
Go to the CBC installation instruction for detailed balancing instructions and k-factors. See also the airborne calculator to configure your NQ19.

Balancing

Go to the [CBC installation instruction](#) for detailed balancing instructions and k-factors. See also the [airborne calculator](#) to configure your NQ19.



Pull damper strings out of the plenum box and through one of the center nozzles. The measuring tube must also be accessible when the faceplate is closed.



For balancing, pull measuring tube and damper strings out of the plenum box before clicking on the faceplate. When balancing, diffuser faceplate **MUST** be on !

Maintenance

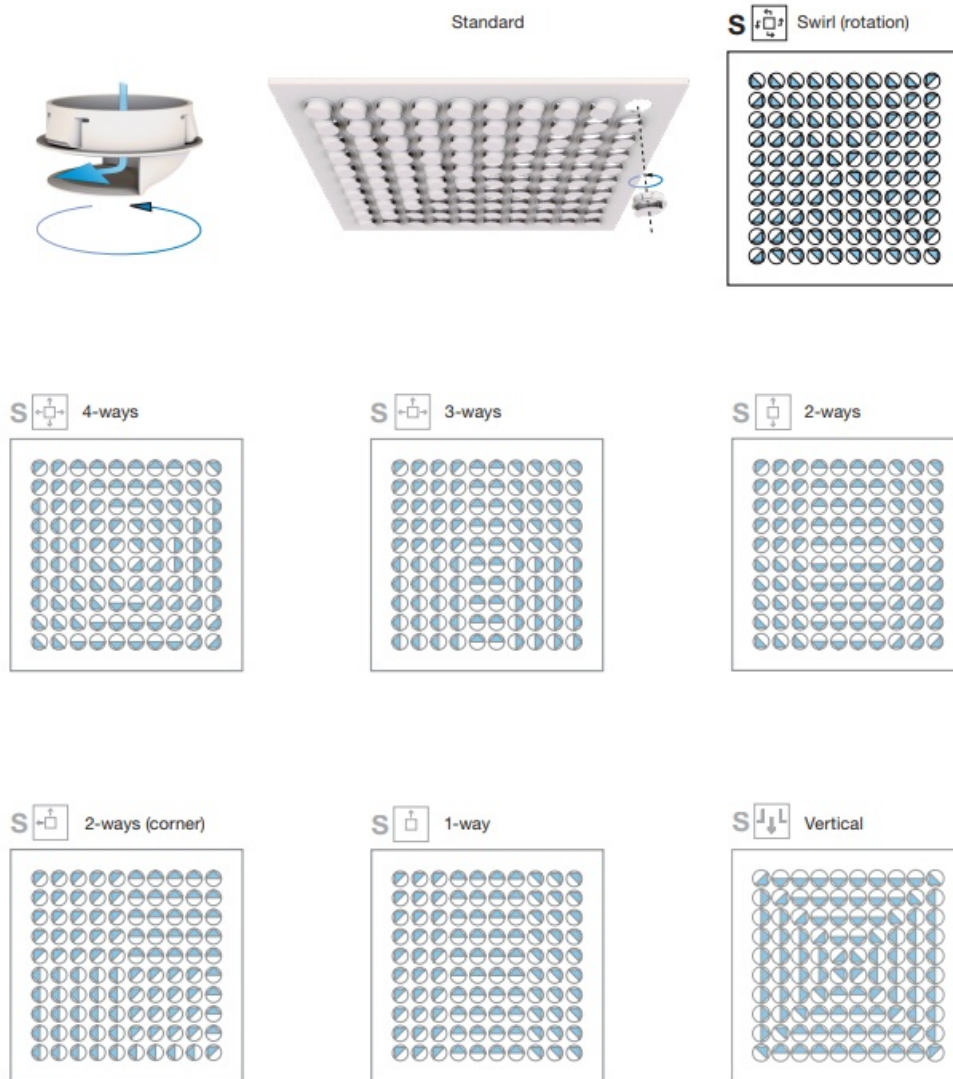
The hinged face plate can easily be opened and removed to enable cleaning of internal parts or to gain access to the duct or plenum box. The visible parts of the diffuser can be wiped with a damp cloth. The damper of the plenum box can also be taken out to allow full access to the supply duct. See the [CBC installation instruction](#) for full details.

Air patterns – Individually adjustable nozzles

As an example the NQ19-315 faceplate with 100 nozzles are shown below with different air patterns. The diffuser is supplied as standard with nozzles set to a swirl (rotation) pattern.

Air patterns - Individually adjustable nozzles

As an example the NQ19-315 faceplate with 100 nozzles are shown below with different air patterns. The diffuser is supplied as standard with nozzles set to a swirl (rotation) pattern.



Most of us spend the majority of our time indoors. In-door climate is crucial to how we feel, how productive we are and if we stay healthy.

We at Lindab have therefore made it our most important objective to contribute to an indoor climate that improves people's lives. We do this by developing energy-efficient ventilation solutions and durable building products. We also aim to contribute to a better climate for our planet by working in a way that is sustainable for both people and the environment.



Lindab | For a better climate

www.lindab.com

Documents / Resources

	<p>Lindab NQ19-160 Ceiling Diffuser [pdf] Instruction Manual NQ19-160, NQ19-200, NQ19-250, NQ19-315, NQ19-400, NQ19-160 Ceiling Diffuser, NQ19-160, Ceiling Diffuser, Diffuser</p>
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References

- [© Lindab | For a better climate - Lindab](#)
- [User Manual](#)

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