Swirl diffusers

NKSD-C

Description

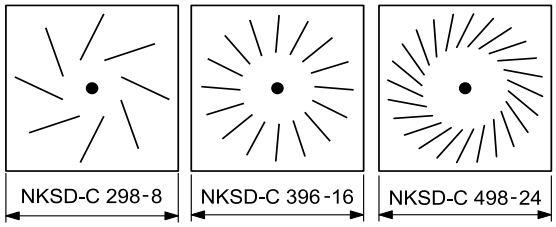
The NKSD-C swirl diffuser is designed for low- and medium-pressure ventilation systems. A distinctive feature of this product is the outlet which swirls the incoming air to mix the indoor air volume with the fresh air stream. The swirl diffuser features adjustable plastic vanes (8 to 48 vanes, depending on the product type) to force a uniform and steady air stream. The product is easy to use and designed for installation on a plenum box.
It can be operated in steady and variable air flow systems. The swirl diffusers are mostly installed in ventilated industrial spaces and climate-controlled areas. The swirl diffuser is installed flush with the ceiling.
When installed on the PRW plenum box, they provide a uniform air supply, while an insulated version of the plenum box reduces the ductwork and air noise level. The NKSD-C swirl diffusers come with installation screws.

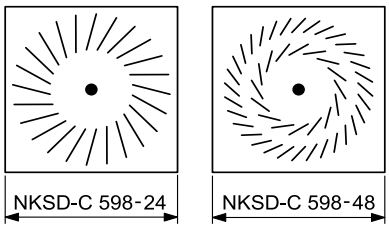
Available materials - product code example:
NKSD-...-... - galvanized steel sheet with powder-coated finish, color RAL 9016.

Product code example
Product code: **NKSD-298-8**

type

Dimensions





Code	Number of blades
NKSD-C 298-8	8
NKSD-C 396-16	16
NKSD-C 498-24	24
NKSD-C 598-24	24
NKSD-C 598-48	48
NKSD-C 623-24	24
NKSD-C 623-48	48

This product is installed with a PRW plenum box in the standard version.

Diffuser size	Diffuser output (m^3/h)												
	72	90	108	144	162	180	252	360	450	540	720	900	1080
	Total pressure drop / noise level (Pa/dB(A))												
298-8	5/<20	9/<20	15/20	25/27	×	35/38	70/-47	-	-	-	-	-	-
396-16	-	-	-	-	4<20	8/<20	×	36/37	×	80/55	×	×	×
498-24	-	-	-	-	-	-	10/22	20/33	×	×	70/50	×	170/70
598-24	-	-	-	-	-	-	-	9/21	14/26	20/33	33/42	55/47	80/55
598-48	-	-	-	-	-	-	-	7/<20	9/20	13/25	25/35	50/46	90/50
623-24	-	-	-	-	-	-	-	-	12/24	26/30	38/40	62/42	78/52
623-48	-	-	-	-	-	-	-	-	6/20	12/27	22/37	36/48	80/58

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