



Floor diffusers

NSCT



NSCT diffusers are designed for air distribution directly to the people stay zone.

They are installed in the floors. The swirl method of air distribution causes the increased induction and fast unification of the air temperature in people stay zone. The air from the diffuser after encountering the heat source is subject to intrinsic warming up. As a result, the thermal air current is formed and it carries up to the ceiling the warmed air and the contaminations that are lighter than air. These contaminations are removed from there with the separate exhaust ventilation.

◀ NSCT diffuser construction

Floor diffusers



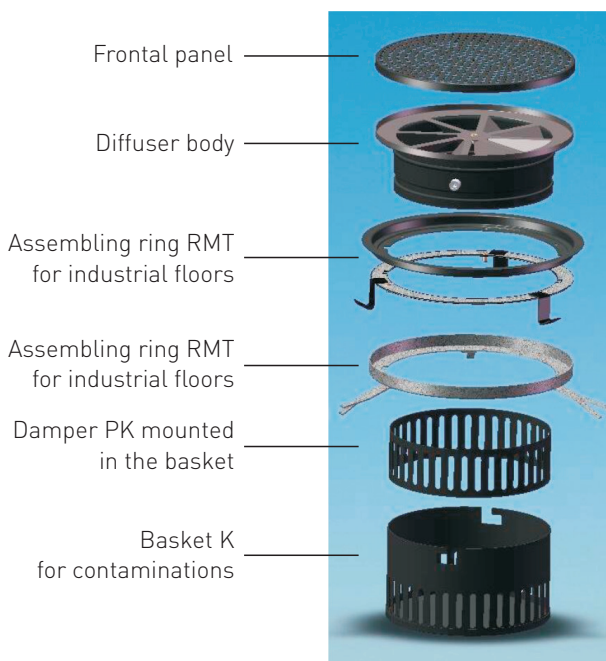
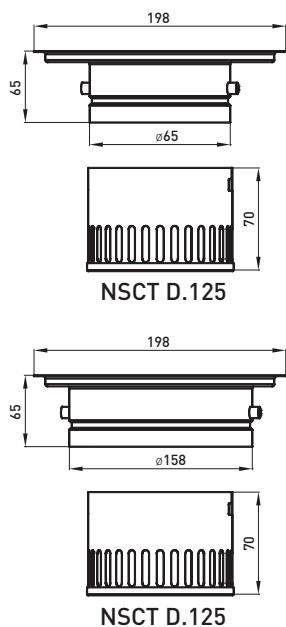
Execution

NSCT body is equipped with stationary wheels in the circle arrangement, adapted for swirl air blowing. The frontal panel hiding the wheels is round and made out of the perforated sheet (stainless steel as an option). The diffuser is made out of the powder varnished steel in black colour RAL9005. On order, it is possible to varnish with different colour RAL

Operation principle

The air is supplied through the diffuser directly to the near-floor zone of people stay. Because of the swirl method of air distribution and the air blowing with slight effective speed, the air gains quickly the uniform thermal parameters in people stay zone. The ambient heat sources cause formation of natural thermal air currents which carry up the warmed air and the contamination towards the ceiling. The air carried up by the air thermal currents is then removed from the ceiling with the separate exhaust ventilation.

Dimensions



Assembly

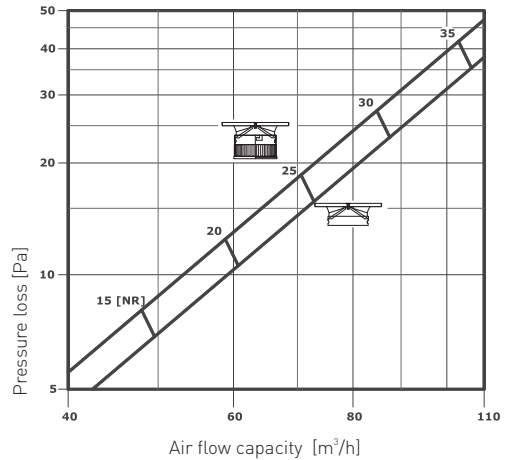
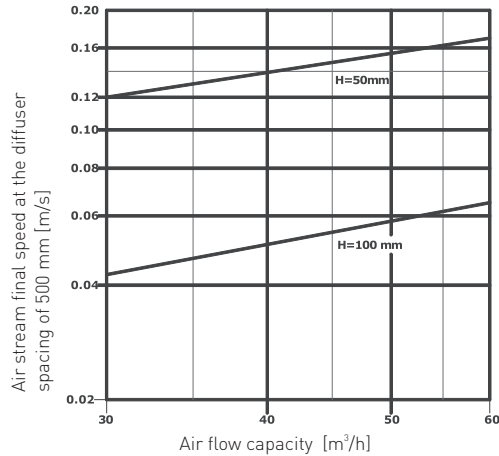
The assembly of the diffuser consists in installing the assembling ring suitable for the type of floor and then embedding the diffuser in this ring. If the floor structure is not leak proof, it is necessary to provide the diffuser assembly to the plenum box.

Floor diffusers NSCT

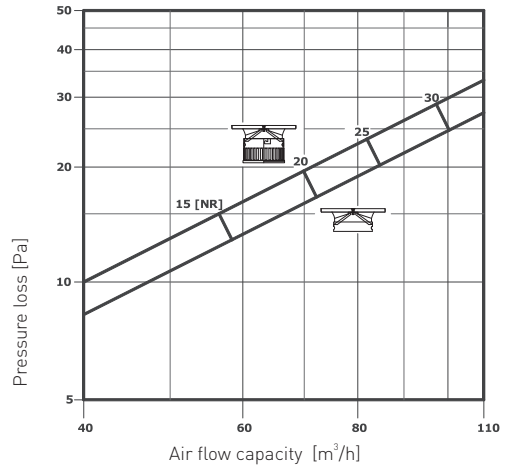
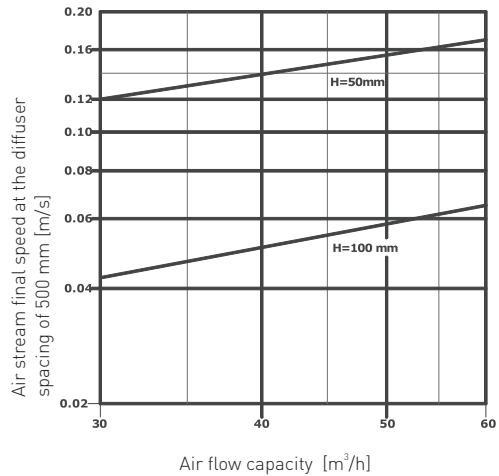


Selection

NSCT D.125



NSCT D.160



Accessories and how to order NSCT



While making the order, it is necessary to provide the information according to the below-mentioned method:

NSCT - <S> - <P><RAL> / <ADD>

Where:

<S> - diffuser size: 125 lub 160

<P> - variant of execution:*

SL - frontal panel and body made out of powder varnished steel on colour RAL

SN - frontal panel made out of the stainless steel, the body of powder varnished steel
in the colour from RAL palette

<RAL> - colour according to the palette **(by default RAL 9005)***

<ADD> - additional accessories as below:

Accessories **

K - basket for contaminations

PK - damper for installing in the basket for contaminations

RMT - assembling ring for industrial floors

RMB - assembling ring for bricking into concrete floors

SR - plenum box with connecting pipe D.125

* optional values, when they are not given, the default values shall apply

Example of the order:

NSCT-125-SL9005 / K,PK,RMT