



### SWIRL DIFFUSER NV-M WITH ROUNDED FRONT PANEL DESCRIPTION

NV-M are meant for usage in the low-, and medium –pressured ventilation systems. Diffusers allow to obtain the swirling air flow and are especially recommended for rooms from 2 to 5 m high. They are available with round or square front panels.

### PERFORMANCE

NV-M are provided with the fixed handlebars generating swirling air flow. Front panel of the diffuser can be round or square. NV-M are made of white RAL 9003 powder coated steel. On request, it is possible to apply paint of any other RAL color and the usage of stainless steel.

### VARIANTS

NV-MO – round front plate, a cylindric connection of handlebars with front plate

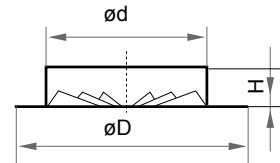
NV-MK - square front plate, a cylindric connection of handlebars with front plate

### INSTALLATION

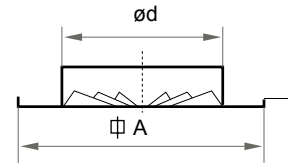
NV -M can be mounted with only one screw through the hole located in the central part of the diffuser

### DIMENSIONS AND TYPES OF FRONT PANELS

#### NV-M-O



#### NV-M-K

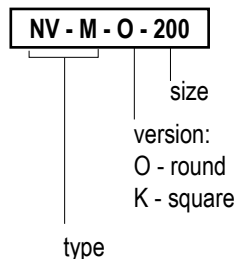


ØD <sub>N</sub>	A(mm)	ØD (mm)	Ød (mm)	H (mm)
100	200	145	95	40
125	250	170	120	40
160	250	205	155	40
200	300	245	195	40
250	300	295	245	40

### SCOPE

Size	Variant NV-M-O: V min [m³/h]	Variant NV-M-K: V max [m³/h]
100	20	40
125	25	70
160	30	100
200	50	180
250	80	300

### ORDER REFERENCE



### DESIGNATIONS:

$V_L$  [m³/h] the total air flow

L [m] air stream range

V [m/s] the air speed in the distance L

$\Delta t_2$  [K] temperature difference of the supplied air and room air temperature

$\Delta t_2$  [K] air temperature difference in the room and supplied air temperature at the distance L,

where:  $L = A/2+H1$

or  $L = B/2+H1$

or  $L = X+H1$

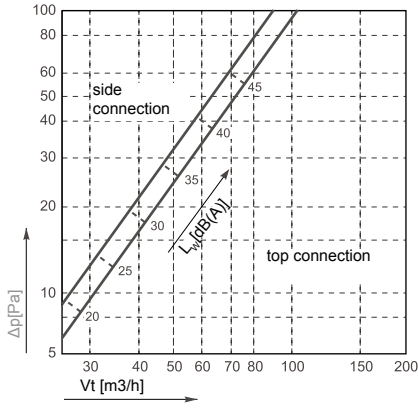
$\Delta p$  [Pa] local pressure loss

LW [dB[A]] sound power level

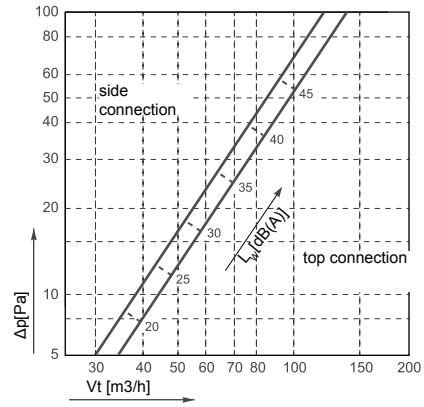
## PRESSURE LOSS, SOUND POWER LEVEL

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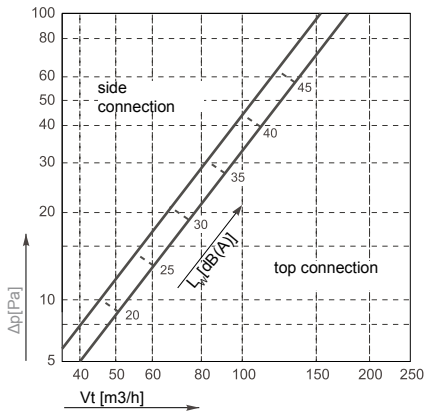
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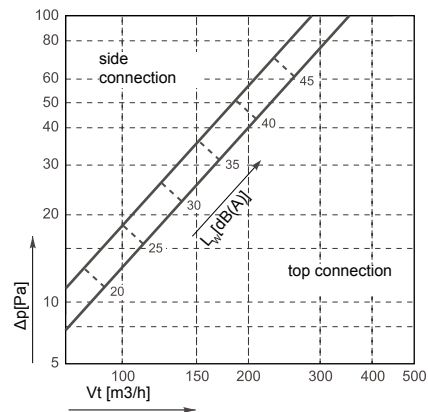
Size 125



Size 160



Size 200



Size 160

