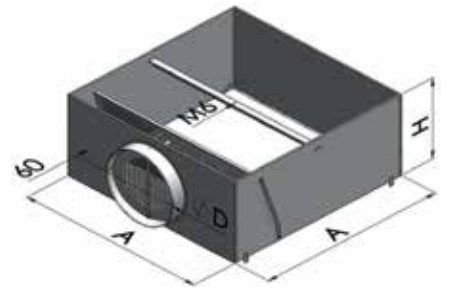
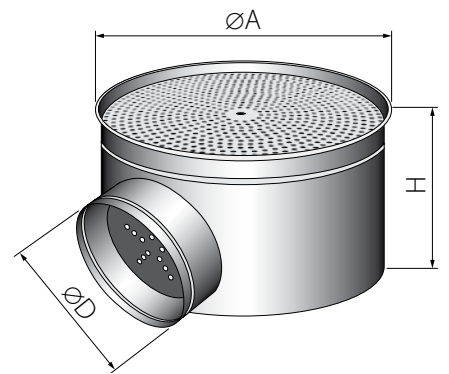


**KK-H-PP-M**

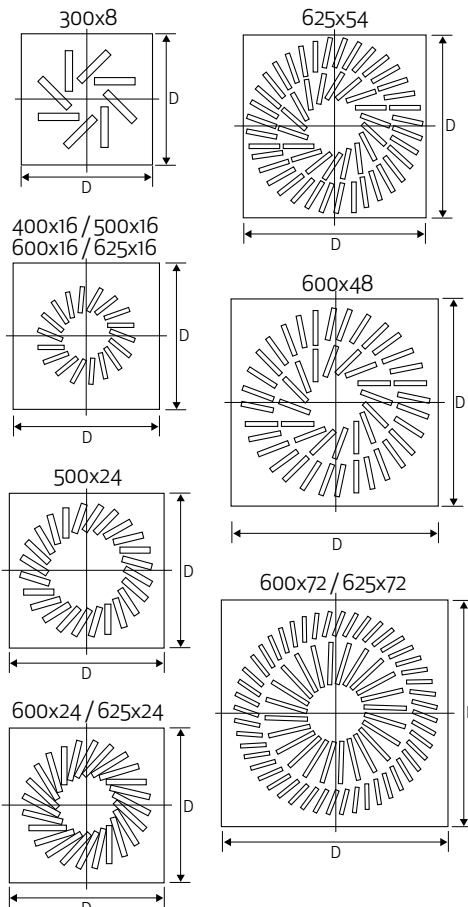


**KO-H-PP-M**

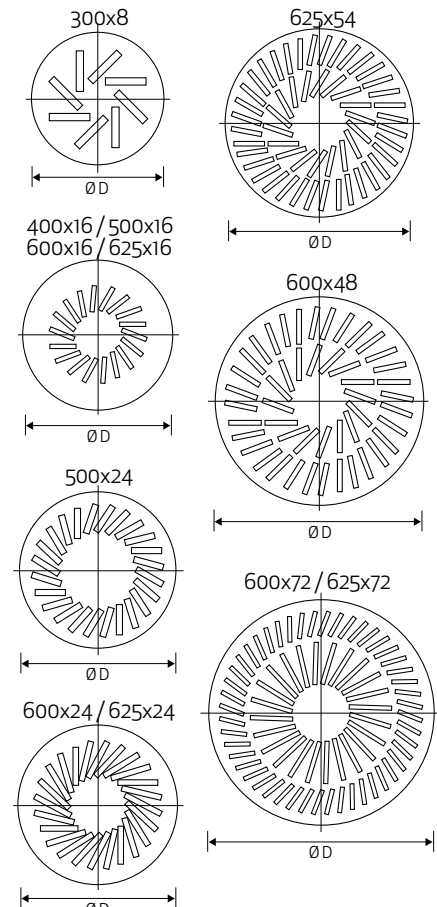


- Characteristics** Swirl diffuser with adjustable throws.
- Material** Steel.
- Finish** Painted RAL 9010.  
Deflectors: black polypropylene RAL 9005.
- Fixing** Fixing by side screws or one central screw.
- Accessories** K: Connecting plenum

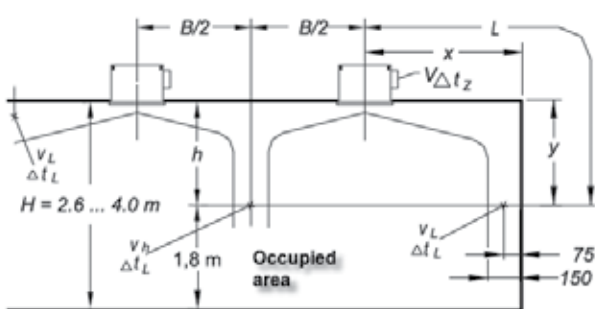
**Type Q**



**Type R**

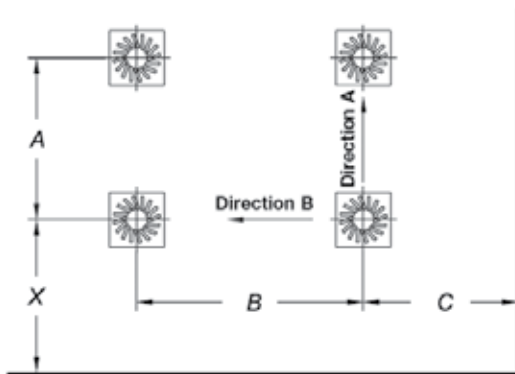


Dimensions [mm]	$\varnothing D$	$D$	$V_{max}$ [m <sup>3</sup> /h]	$A_{ef} - R$ [m <sup>2</sup> ]
300 x 8	300	295	160	0,009464
400 x 16	400	395	360	0,018928
500 x 16	500	495	360	0,018928
600 x 16	600	595	360	0,018928
625 x 16	625	620	460	0,018928
500 x 24	500	495	430	0,028392
600 x 24	600	595	680	0,044928
625 x 24	625	620	680	0,044928
600 x 48	600	595	880	0,056784
625 x 54	625	620	960	0,063882
800 x 72	800	795	1200	0,101712
825 x 72	825	820	1200	0,101712

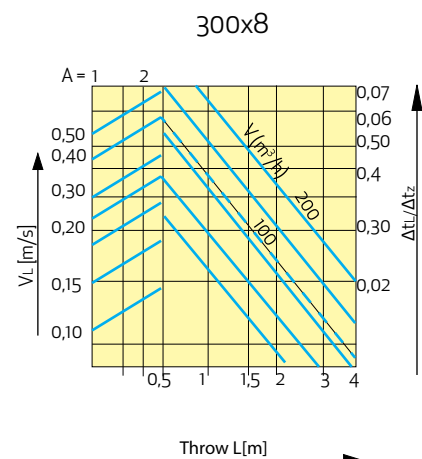
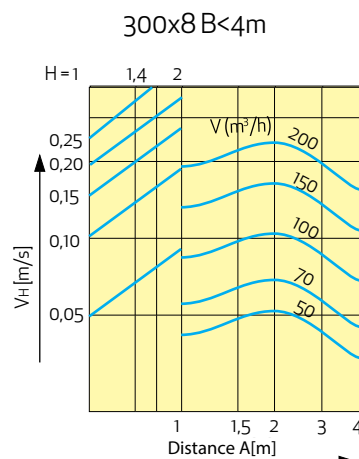
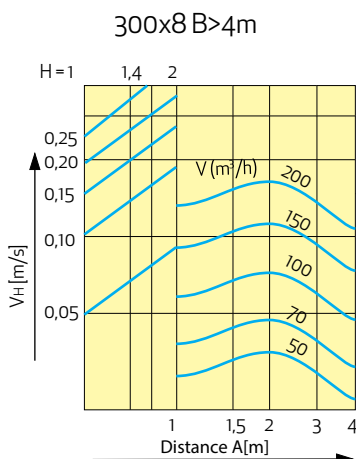


### Description

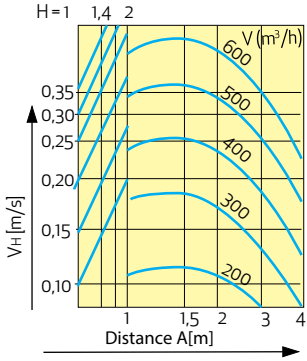
- $V$  [m<sup>3</sup>/h] - volume flow
- $y$  [m] - vertical jet throw
- $x$  [m] - horizontal jet throw
- $A, B$  [m] - distance between diffusers
- $C, X$  [m] - distance between wall and diffuser
- $L$  [m] - total jet throw
- $V_L$  [m/s] - mean jet velocity  $L$  (at the wall)
- $h$  [m] - distance between difuser and occupied area
- $V_h$  [m/s] - mean jet velocity between two diffusers at distance  $h$
- $t_z$  [°C] - supply air temperature
- $t_p$  [°C] - room air temperature
- $t_m$  [°C] - air stream temperature
- $\Delta t_z$  [K] - difference between room temperature and supply air temperature
- $\Delta t_L$  [K] - difference between air stream temperature and room temperature
- $\Delta p_t$  [Pa] - total pressure drop
- LWA - [dB(A)] - sound power level



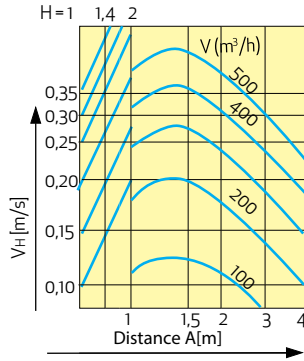
## A. Mean jet velocity $V_h$ at distance $B$ , mean jet velocity along the wall $V_L$ and temperature quotient $\Delta t_L/\Delta t_z$ for diffusers DVO



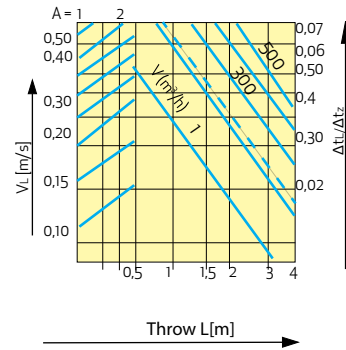
400x16, 500x16, 600x16, 625x16 B>4m



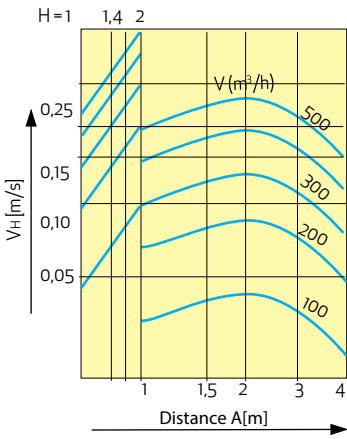
400x16, 500x16, 600x16, 625x16 B<4m



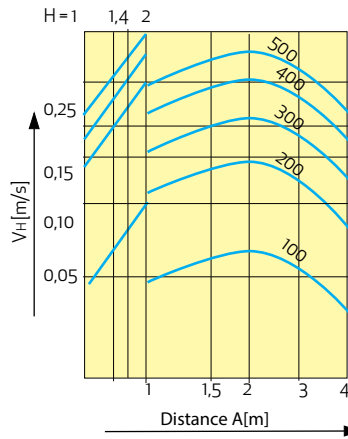
400x16, 500x16, 600x16, 625x16



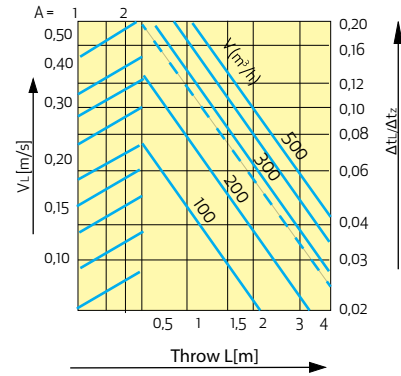
500x24 B>4m



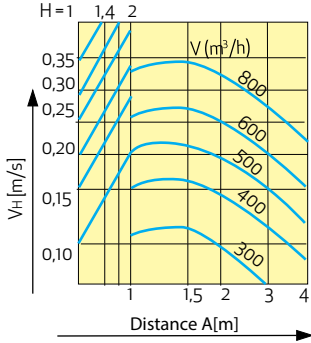
500x24 B<4m



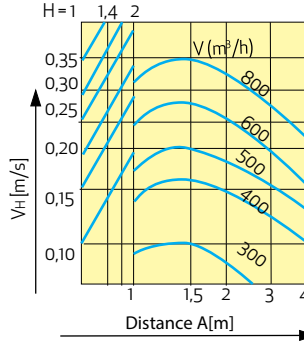
500x24



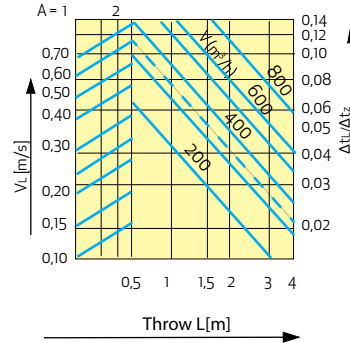
600x24, 625x24 B>4m



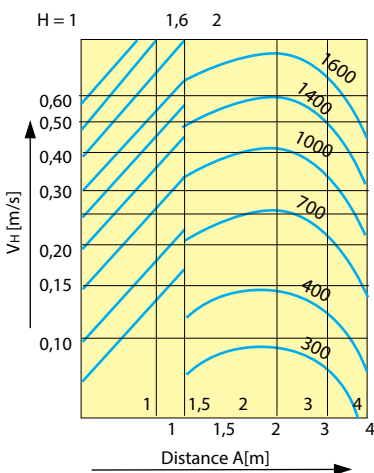
600x24, 625x24 B<4m



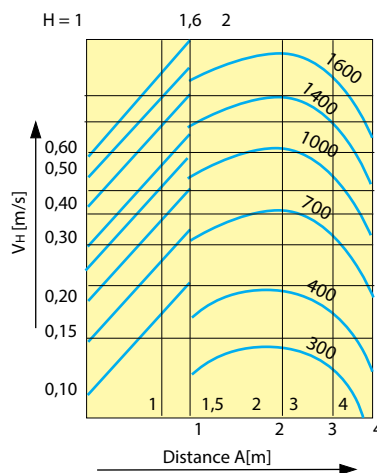
600x24, 625x24



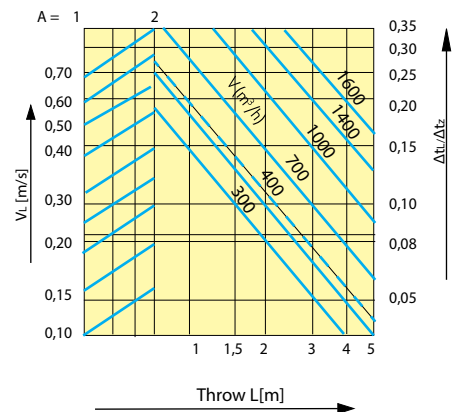
600x48 B>4m

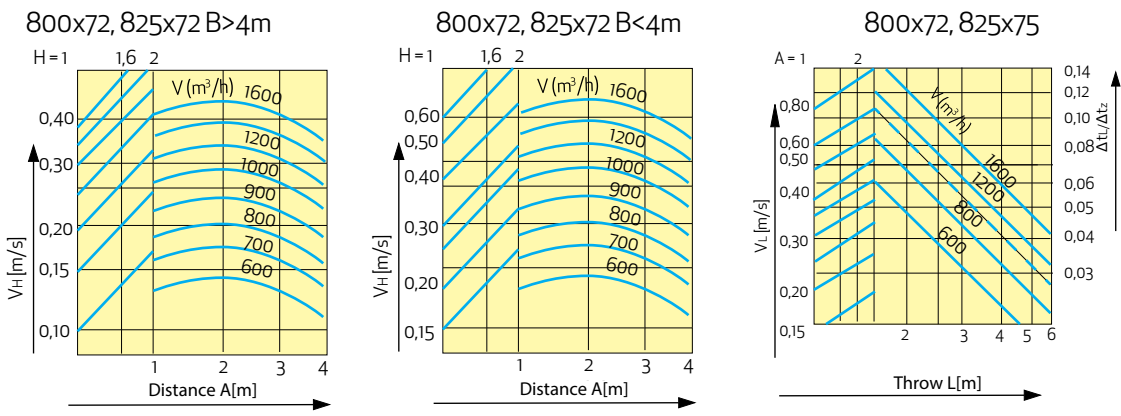


600x48 B<4m

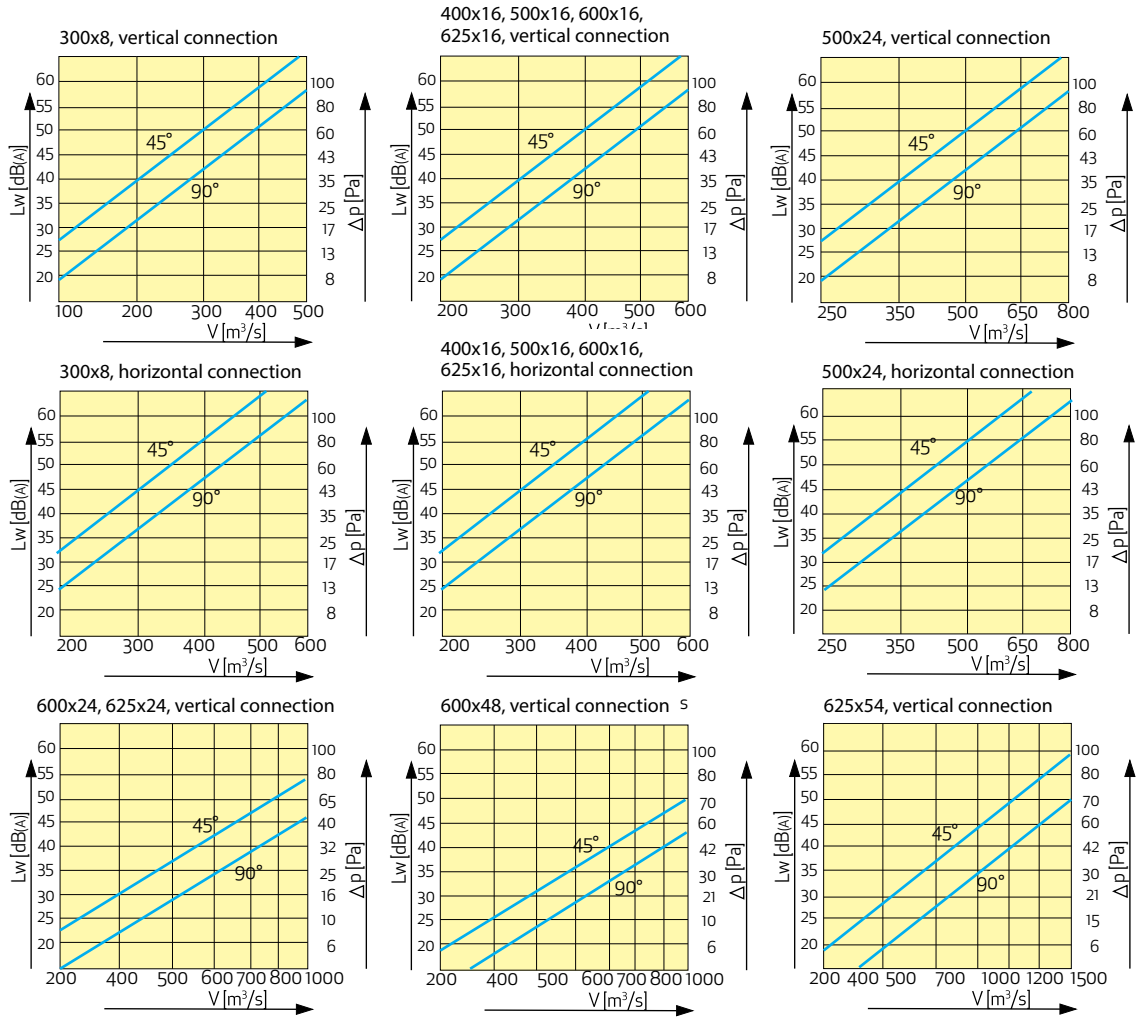


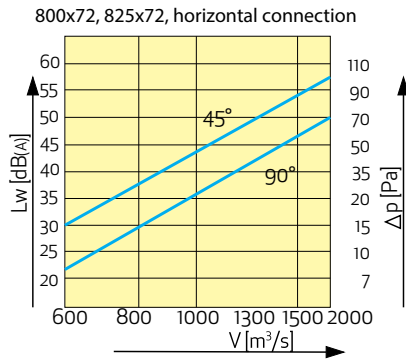
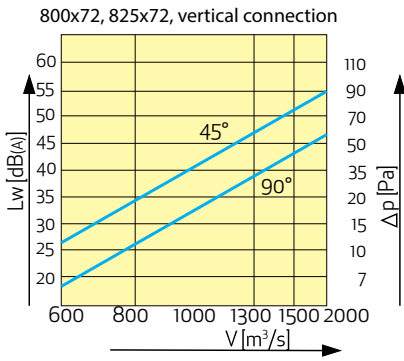
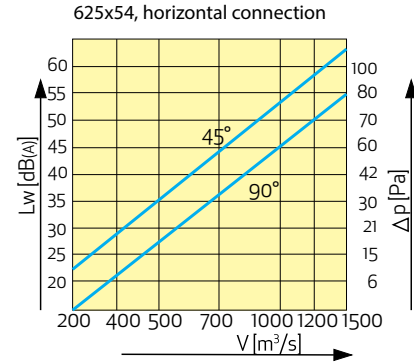
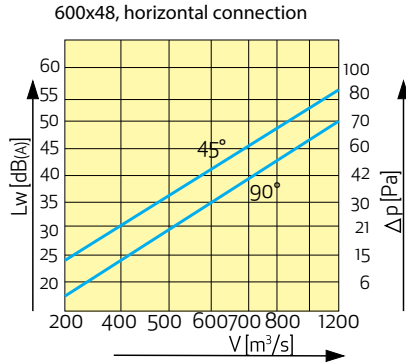
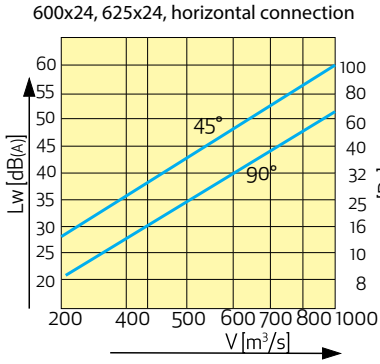
600x48





**B. Pressure drop and sound power level depending on blade position of the plenum and on type of connection - vertical or horizontal. (90°– open, 45° – half closed)**





## Selection key

### DVOS - Q - Z / 600 x 48

