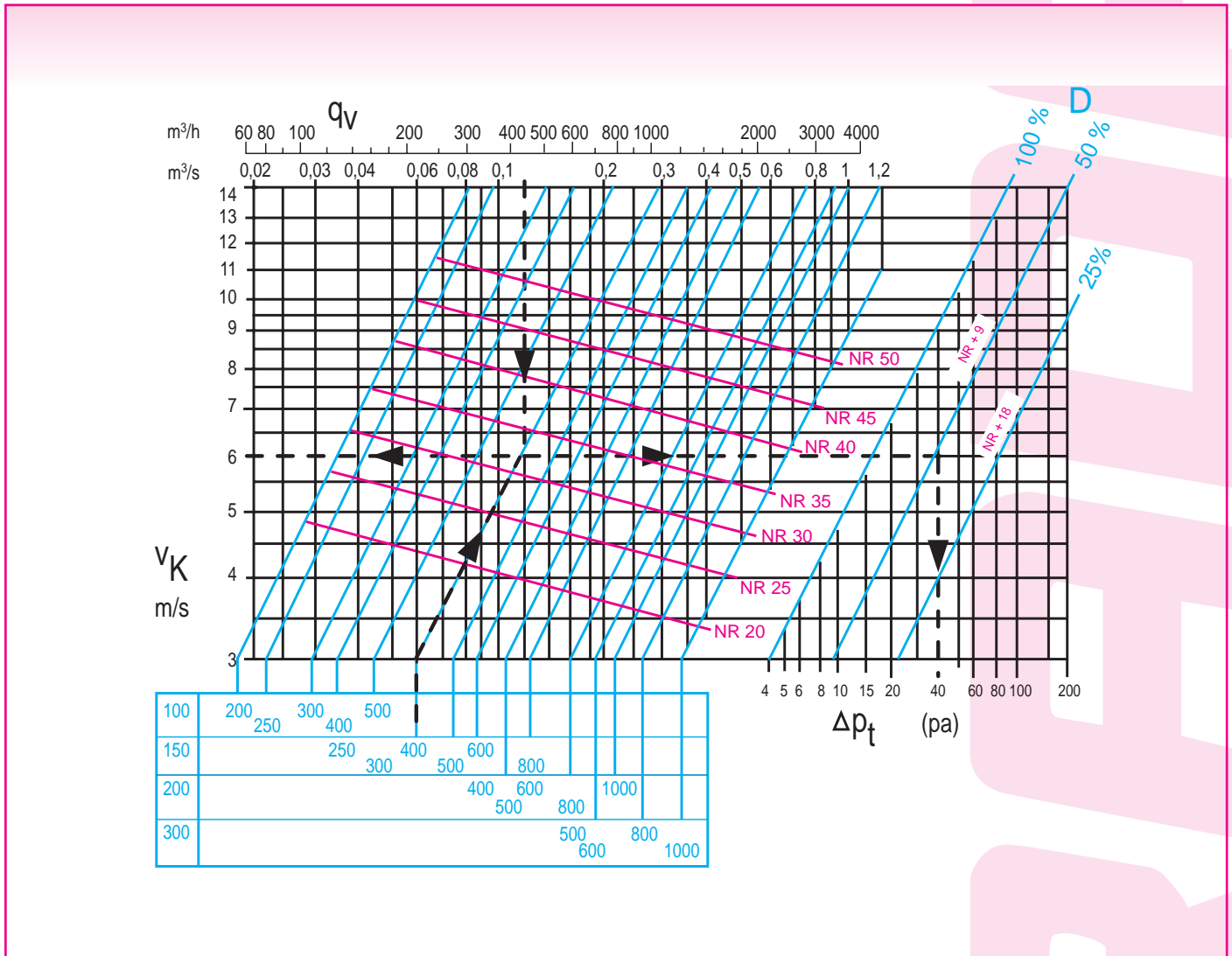
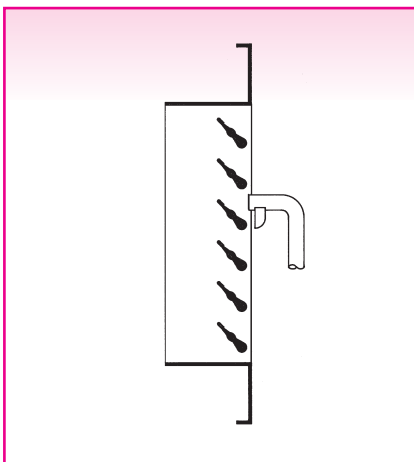


EXHAUST GRILLE WITH FIXED VANES
A-170

Selection diagram - exhaust



**Air flow rate measurement-
exhaust**



Velometer jet: 2220 A of 6070

H (mm)	Ak-values (m²)							
	L (mm)							
	200	250	300	400	500	600	800	1000
100	0,006	0,007	0,010	0,012	0,015	—	—	—
150	—	0,012	0,015	0,020	0,025	0,029	0,041	—
200	—	—	—	0,029	0,035	0,041	0,055	0,071
300	—	—	—	—	0,055	0,065	0,087	0,110

Example

- Exhaust air flow rate $q_v = 0,12 \text{ m}^3/\text{s}$
- Grille 400 x 150 mm
- Air velocity $v_k = 6 \text{ m/s}$
- Noise level = NR 32
- Total pressure loss with damper 50 % open: $\Delta p_t = 40 \text{ Pa}$
- Noise level correction $\text{NR } 32 + 9 = \text{NR } 41$