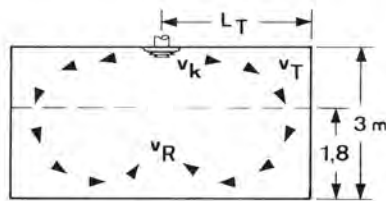
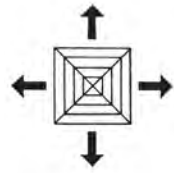
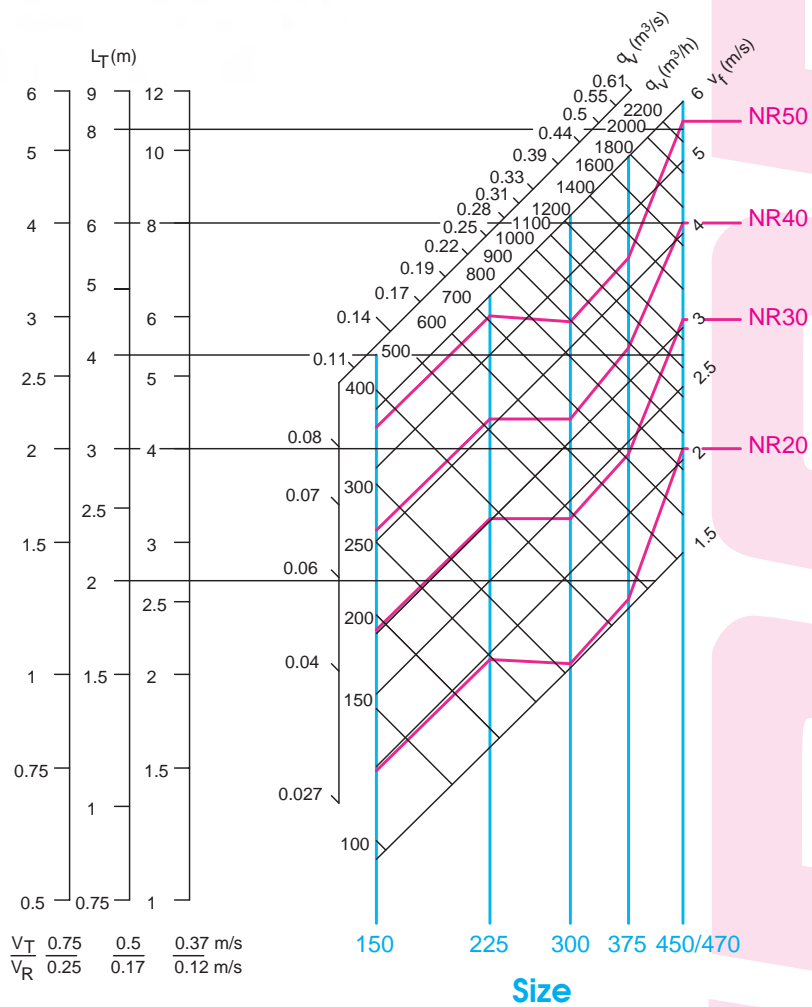


# MULTIDIRECTIONAL DIFFUSER EG400

## Selection diagram - supply

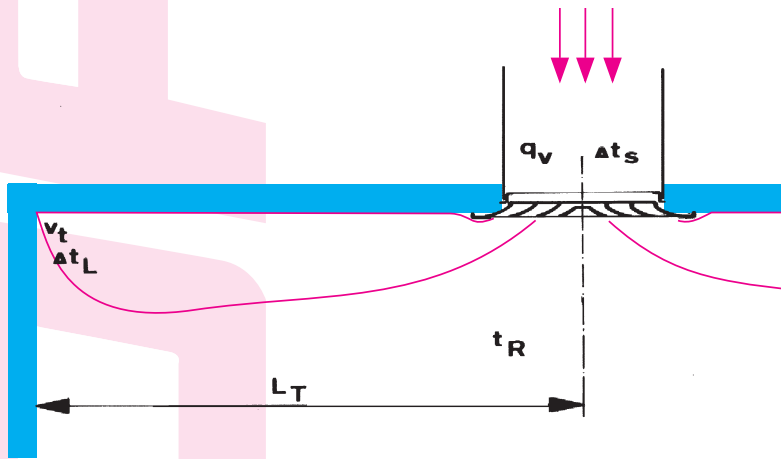


- measurements executed in lab circumstances with plenum with side entry
- with ceiling effect
- damper completely open
- Valid for cooling up to  $\Delta t_s = -12$  K
- Valid for heating up to  $\Delta t_s = +15$  K



A <sub>f</sub> -values (m <sup>2</sup> )						
Size	150	225	300	375	450	470
A <sub>f</sub>	0,017	0,035	0,057	0,083	0,115	0,123

**Example**



**Selection data:**

- Air flow rate  $q_v = 1000 \text{ m}^3/\text{h}$
- Noise level: maximum NR 30

**Solution:**

- EG400 size 450 mm
- Supply air velocity  $v_f = 2,5 \text{ m/s}$
- Noise level NR = 24
- Total pressure loss (without damper):  $\Delta P_t = 12 \text{ Pa}$
- $L_t = 3,5 \text{ m}$  at  $v_t = 0,5 \text{ m/s}$

**Pressure loss**

