

# Ventilating valve

## ■ PV-1N

### Description

- Fixed diffusion ring
- Adjustable disc for valve opening and closing
- Installation in built-in frame
- Peripheral foamy sealing strip
- Exhaust application

### Material

- Made of sheet steel and coloured upon customer's request.

### Component parts

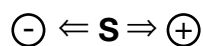
1. Housing
2. Valve disc
3. Subframe

### Installation

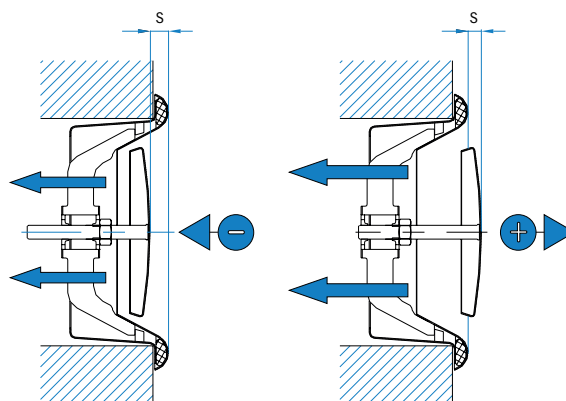
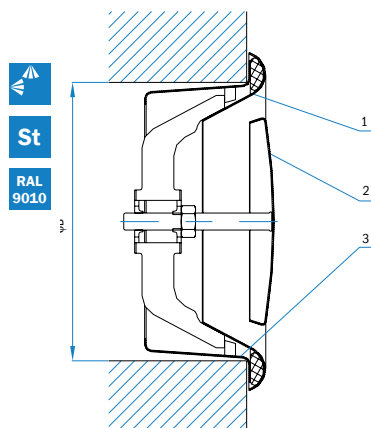
Frame is suitable for all installation types (wall, ceiling-or duct installation). It is fastened with screws. Place the valve in the groove and rotate it. Foamy sealant between the subframe and valve has a function to guarantee a perfect seal and to hold the valve in its position.

### Air flow regulation

Adjust the air volume flow by rotating the valve disc in plus or minus direction.



s (mm)



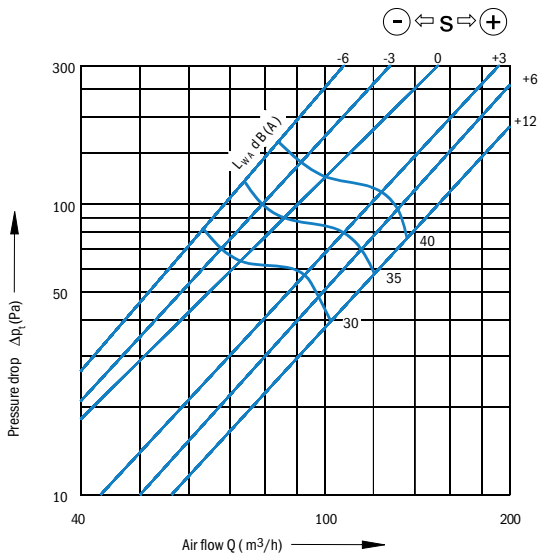
### Dimensions:

Size	ΦB
100	100
125	125
150	150
160	160
200	200

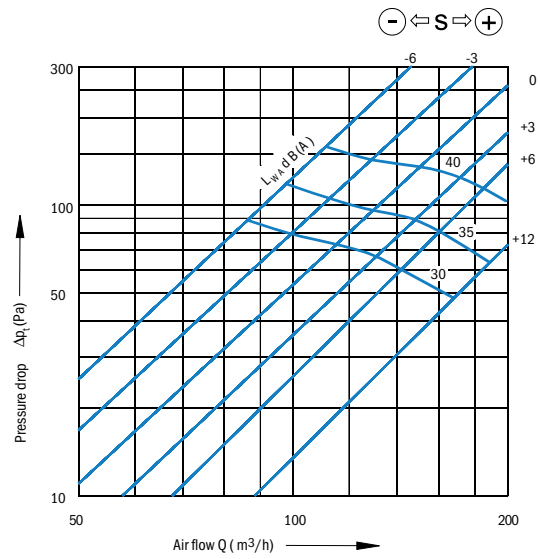
### Ordering example

Ventilating valve: **PV-1N**  
 Size: **100**  
 Pcs: **40**

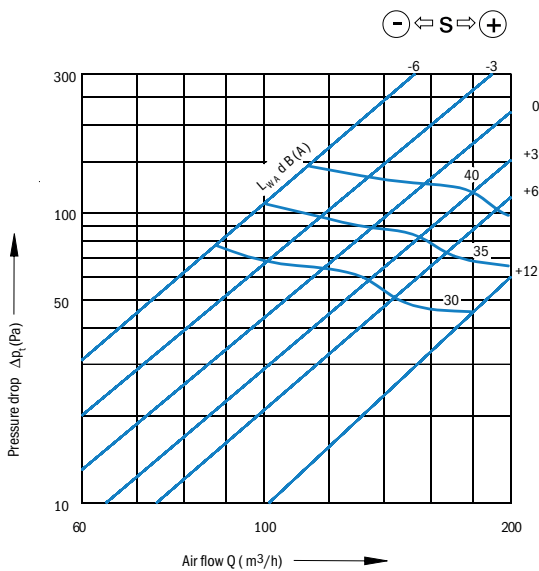
**PV-1N, size 100**



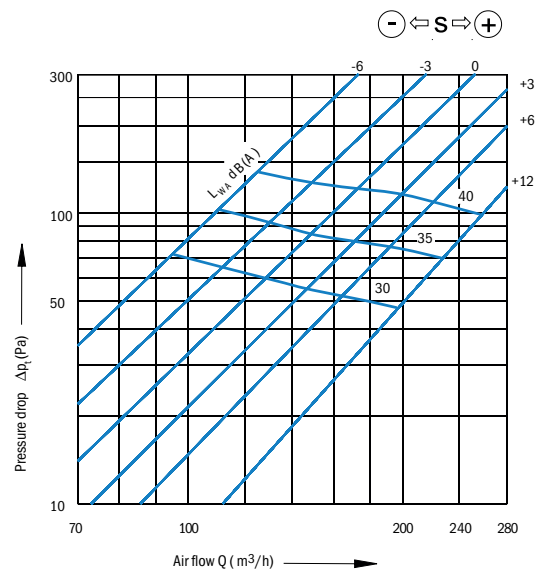
**PV-1N, size 125**



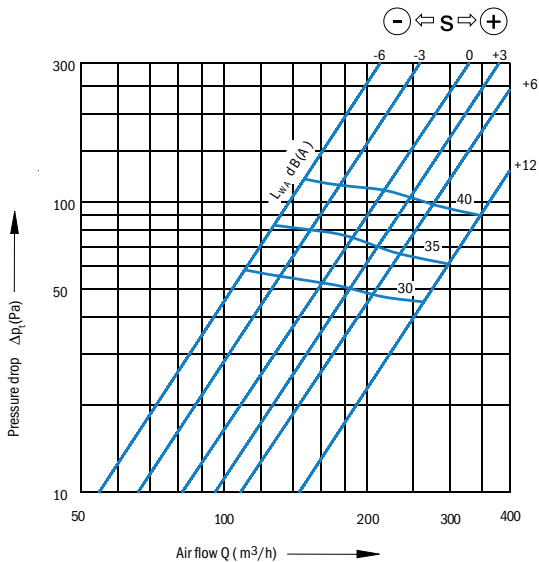
**PV-1N, size 150**



**PV-1N, size 160**



**PV-1N, size 200**



**Example**

Use the air flow volume  $Q$  (m<sup>3</sup>/h) and pressure drop over the valve  $\Delta P_t$  (Pa) to determine the valve set-up  $s$  (mm) - using the positive or negative direction.

**Given data:**  $Q = 70\text{m}^3/\text{h}$ ,  $\Delta P_t = 60\text{Pa}$

Sizing diagram at the value 100 gives the valve set-up  $s = 0$  mm.

**Definition of symbols**

- Q (m<sup>3</sup>/h)** Air flow
- Δp<sub>t</sub> (Pa)** Pressure drop
- L<sub>WA</sub> (dB(A))** Sound power level