

# Valve

# KPF



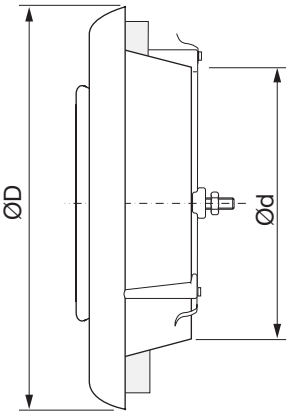
### Description

Valve for extract air.  
Designed for wall or ceiling mounting.  
Flat spring holders connect to duct.

### Maintenance

The visible parts can be wiped with a damp cloth.

### Dimensions



| Ød<br>nom | ØD<br>[mm] | m<br>[kg] |
|-----------|------------|-----------|
| 80        | 114        | 0,07      |
| 100       | 138        | 0,10      |
| 125       | 164        | 0,12      |
| 160       | 190        | 0,24      |
| 200       | 246        | 0,33      |

### Ordering example

|              |     |     |
|--------------|-----|-----|
|              | KPF | 100 |
| Product      |     |     |
| Dimension Ød |     |     |

### Materials and finish

**Material**  
Plastic.

**Colour**  
White RAL 9003.

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## Technical data

Air flow,  $q$  [l/s] and [m<sup>3</sup>/h],  
total pressure loss,  $\Delta p_t$  [Pa], and  
A-weighted sound power level,  $L_{WA}$  [dB(A)],  
for different settings,  $n$  [number of opening turns],  
are shown in the graphs.

### Sound power level in octave bands, $L_{Wok}$ [dB],

is calculated as  $L_{Wok} = L_{WA} + K_{ok}$ .

$K_{ok}$  is found in the table below.

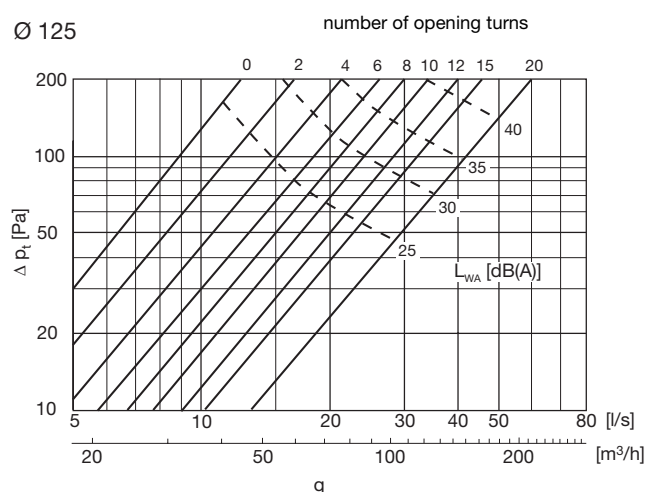
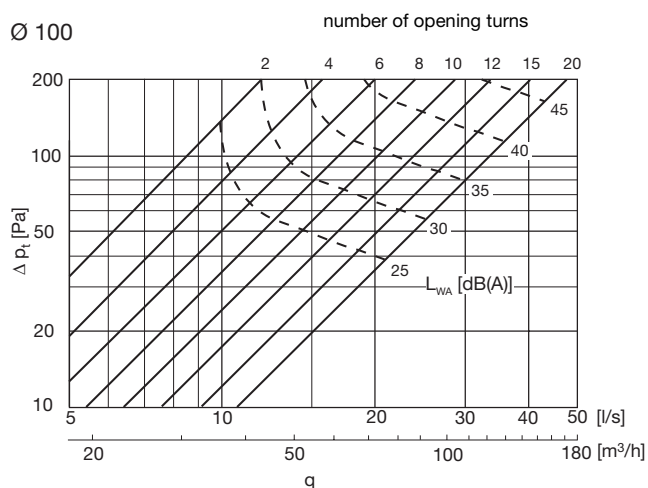
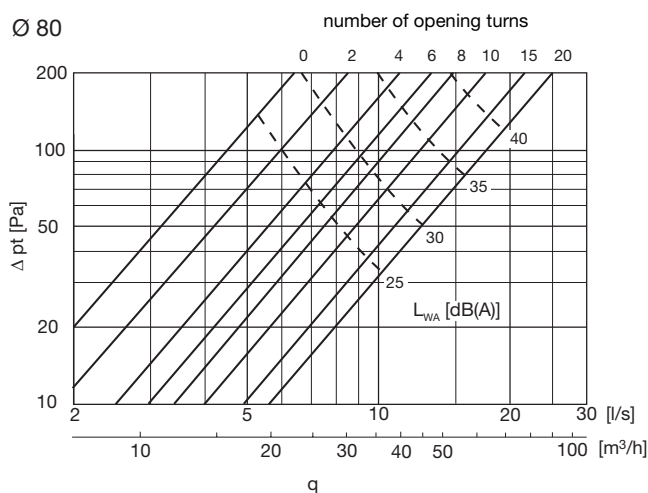
| Ød<br>nom | Valve<br>mounted in | Centre frequency<br>[Hz] |     |     |     |    |    |     |     |
|-----------|---------------------|--------------------------|-----|-----|-----|----|----|-----|-----|
|           |                     | 63                       | 125 | 250 | 500 | 1K | 2K | 4K  | 8K  |
| 80        | Duct                | -12                      | -11 | -9  | -8  | -5 | -6 | -9  | -16 |
| 100       | Duct                | -11                      | -10 | -10 | -8  | -6 | -5 | -8  | -15 |
| 125       | Duct                | -10                      | -9  | -7  | -8  | -6 | -5 | -8  | -17 |
| 160       | Duct                | -3                       | -2  | -3  | -5  | -3 | -8 | -13 | -22 |
| 200       | Duct                | -3                       | -2  | 0   | -4  | -5 | -8 | -14 | -22 |

### Sound attenuation, $\Delta L$ , [dB]

| Ød<br>nom | Valve<br>mounted in | Centre frequency<br>[Hz] |     |     |     |    |    |    |    |
|-----------|---------------------|--------------------------|-----|-----|-----|----|----|----|----|
|           |                     | 63                       | 125 | 250 | 500 | 1K | 2K | 4K | 8K |
| 80        | Duct                | 23                       | 23  | 16  | 15  | 13 | 10 | 6  | 9  |
| 100       | Duct                | 22                       | 21  | 15  | 13  | 11 | 10 | 6  | 9  |
| 125       | Duct                | 21                       | 19  | 13  | 11  | 10 | 10 | 7  | 9  |
| 160       | Duct                | 20                       | 16  | 12  | 10  | 9  | 10 | 8  | 8  |
| 200       | Duct                | 17                       | 12  | 7   | 5   | 4  | 4  | 7  | 5  |

### Measurement of air flow

Data is available in a separate brochure.



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