

# Exhaust air valve OPF-series

OPF-series, exhaust air valve, 63 mm - 200 mm



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OPF is a round valve with aerodynamically design with good characteristics in terms of noise level, air flow capacity and pressure drop. The valve is mounted in a ceiling or a wall and is intended for ventilation systems with a relatively high pressure drop. The design of the valve and a gasket of moltoprene prevents soiling.

## Attachment, adjustment and detachment

The valve is pushed into the frame. The cone is screwed out or in the number of turns giving the gap an opening in mm corresponding to pressure drop and the desired air flow according to the diagram. The pressure drop can be checked by using a suitable measuring device. When dismantling, the valve is pushed sideways and then pulled out

## Material

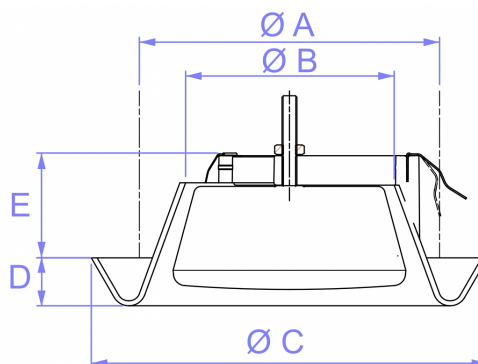
The valve is made of polypropylene plastic that can withstand temperatures up to 120 degrees Celsius. The material keeps its color over time and is recyclable.

## Cleaning

The valve is cleaned with normal detergent.

## Color

Standard white (RAL 9003). Other colors can be delivered by arrangement.



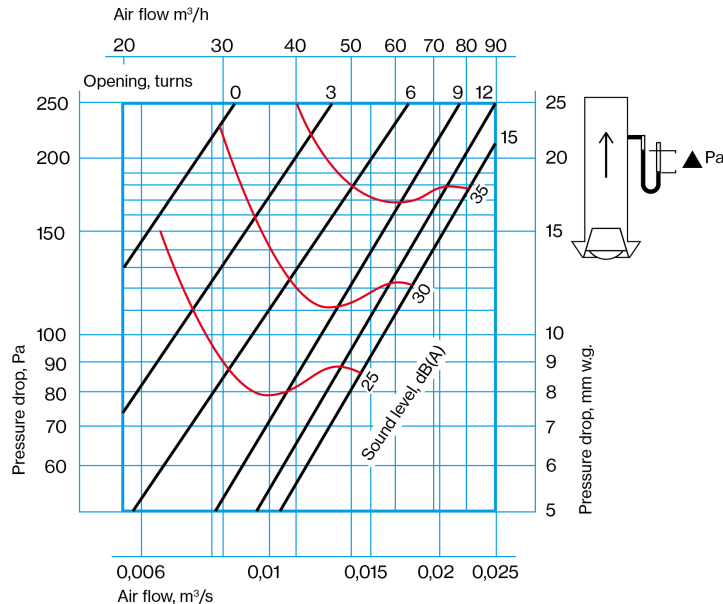
OPF	Ø A	Ø B	Ø C	D	E	Weight
80	80	45	115	20	38	66 gr
100	100	70	138	20	45	102 gr
125	125	85	165	20	43	128 gr
150	150	95	193	21	45	182 gr
160	160	95	193	21	45	182 gr
200	200	162	240	18	45	315 gr



# Specifications

## Capacity charts

### OPF-80



### Sound Attenuation dB(A)±1

Turns	0	3	6	9	12	15
1 valve	8,0	8,0	8,0	7,5	7,0	7,0
2 valves	12,0	12,0	12,0	11,5	11,0	11,0

### Sound

Correction of the sound level at different frequencies

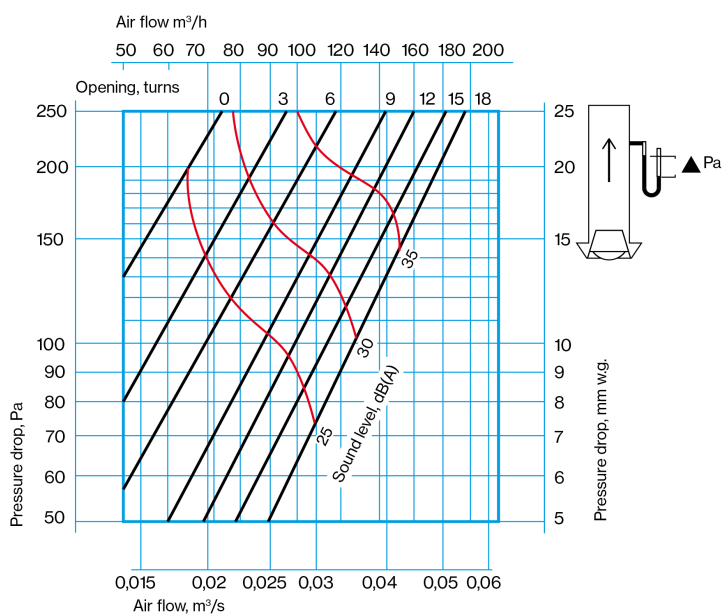
63	125	250	500	1000	2000	4000	8000
7	8	0	-8	-9	-3	-1	-5

### K-Factor

Number of openings (rotations), n

0	2	4	6	8	10	15	20
0.65	0.79	0.98	1.14	1.31	1.53	1.63	1.9

### OPF-100



### Sound Attenuation dB(A)±1

Turns	0	3	6	9	12	15	18
1 valve	8,5	8,5	8,0	8,0	7,5	7,5	7,5
2 valves	13,5	13,5	12,5	12,5	12,0	12,0	12,0

### Sound

Correction of the sound level at different frequencies

63	125	250	500	1000	2000	4000	8000
11	13	5	-6	-6	-4	-5	-6

### K-Factor

Number of openings (rotations), n

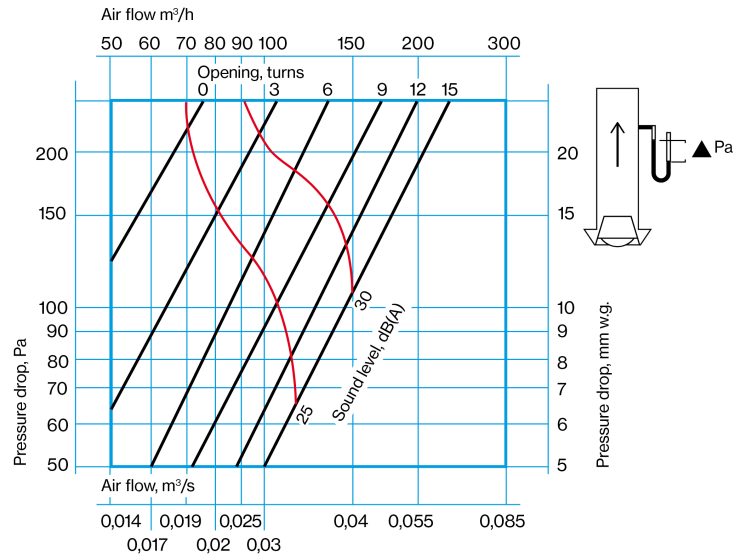
0	2	4	6	8	10	15	20
1.86	2.03	2.31	2.55	2.78	3.01	3.4	3.92



# Specifications

## Capacity charts

### OPF-125



#### Sound

Correction of the sound level at different frequencies

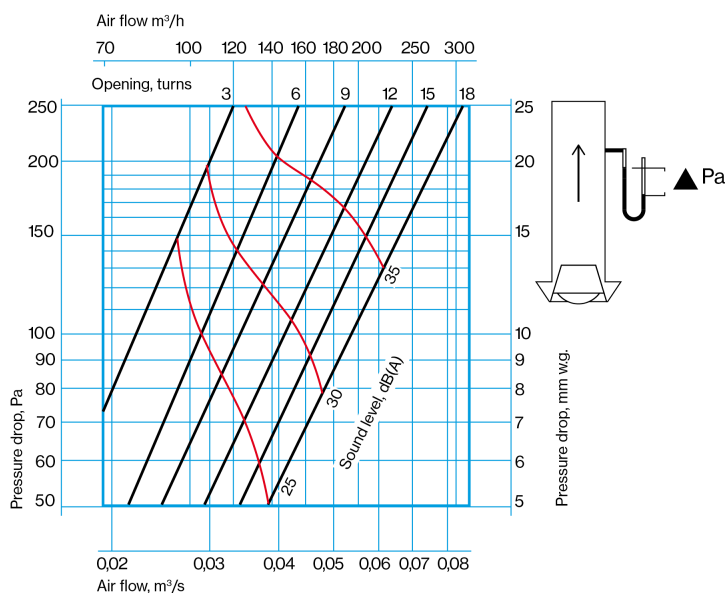
63	125	250	500	1000	2000	4000	8000
7	10	5	-5	-5	-3	-4	-7

#### K-Factor

Number of openings (rotations), n

0	2	4	6	8	10	15	20
1.72	2.18	2.46	2.81	3.23	3.57	4.45	5.16

### OPF-150



#### Sound Attenuation dB(A)±1

Turns	0	3	6	9	12	15	18
1 valve	10,0	9,0	8,5	8,5	8,5	8,5	8,5
2 valves	16,5	15,0	14,0	14,0	14,0	14,0	13,5

#### Sound

Correction of the sound level at different frequencies

63	125	250	500	1000	2000	4000	8000
9	9	2	-9	-6	-4	-4	-9

#### K-Factor

Number of openings (rotations), n

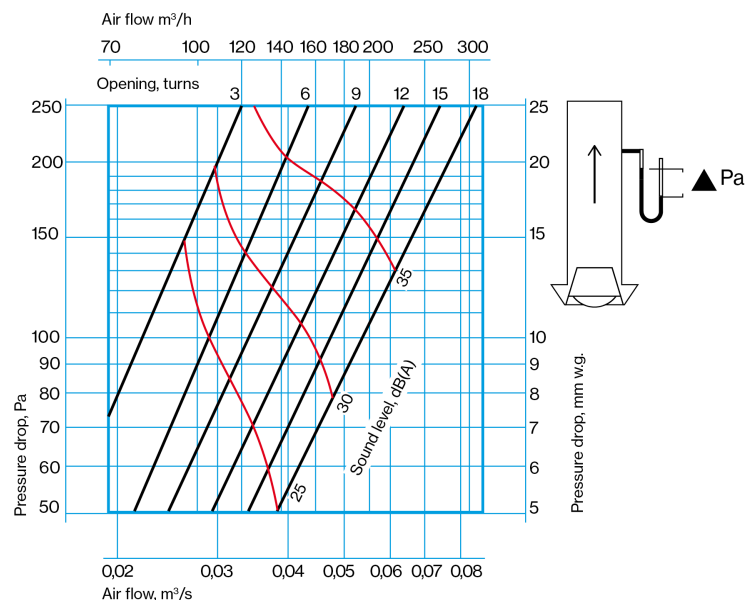
0	2	4	6	8	10	15	20
0.63	1.02	1.47	1.77	2.26	2.82	3.78	4.73



# Specifications

## Capacity charts

### OPF-160



### Sound Attenuation dB(A)±1

Turns	0	3	6	9	12	15	18
1 valve	10,0	9,0	8,5	8,5	8,5	8,5	8,5
2 valves	16,5	15,0	14,0	14,0	14,0	14,0	13,5

### Sound

Correction of the sound level at different frequencies

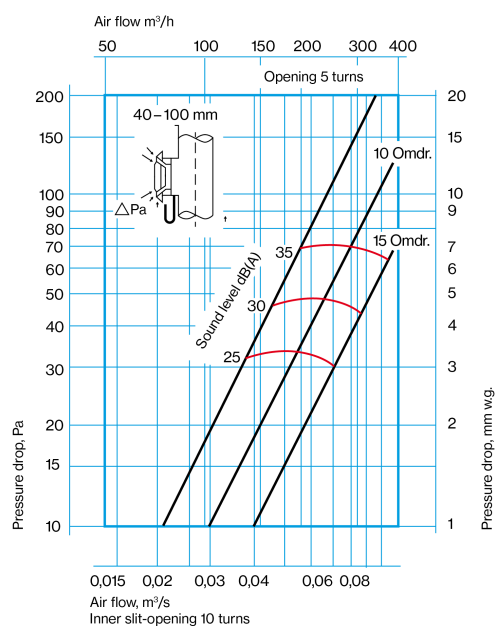
63	125	250	500	1000	2000	4000	8000
9	9	2	-9	-6	-4	-4	-9

### K-Factor

Number of openings (rotations), n

0	2	4	6	8	10	15	20
0.63	1.02	1.47	1.77	2.26	2.82	3.78	4.73

### OPF-200



### Sound

Correction of the sound level at different frequencies

63	125	250	500	1000	2000	4000	8000
-1	2	-2	-6	-1	-3	-9	-15

### K-Factor

Number of openings (rotations), n

0	2	4	6	8	10	15	20
0.52	1.1	2.03	2.98	3.79	4.59	6.52	8.27