

The background of the lower two-thirds of the page is a photograph of a ceiling with a grid of square skylights. Sunlight filters through the skylights, creating a pattern of light and shadow on the white ceiling surface.

# PRODUCT CATALOGUE

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Airia Ventilation is a family owned company that have manufactured and supplied ventilation products and accessories since the 1970s. Our customers are ventilation and construction installers, wholesalers and distributors on the international market.

# CONTENTS

Primal TL100	1
Lins 100 & 60 cm	4
Sirrus KFS 125	9
Exhaust air valve OPK-M-series	12
Exhaust air valve OPF-series	15
Exhaust air valve OPK-series	20
Supply air valve OPT-series	23
Supply- and exhaust air valve OPTR 100	30
Supply air valve OPT Metal-series	33
Exhaust air valve OPF Steel-series	35
Grill OPMG-series	37
Mounting frame without rubber gasket	40
Mounting frame with rubber gasket	42
Foam ring	44
Fresh air valve 400 & 450	46

# Primal TL100

Automatic wall vent



# Primal TL100

Automatic wall vent



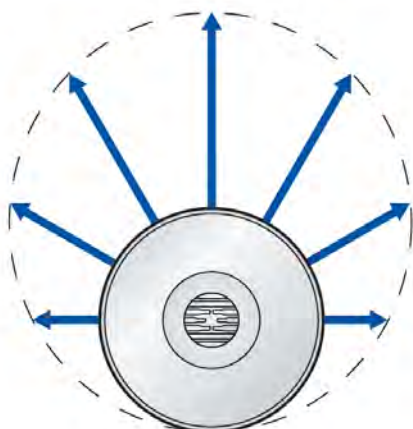
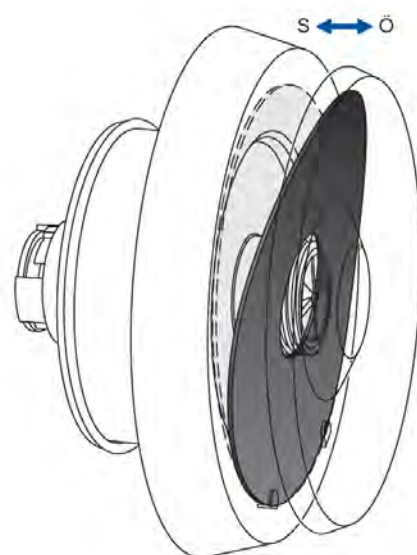
## Primal TL100

Automatic wall vent with thermostat and air stream-operated damper

Climate-smart self-regulating supply air valve with thermostat for seasonal ventilation. In addition, there is a patented air stream-operated damper that eliminates cross draughts and heat losses in windy weather.

### Air stream-operated damper

When the wind blows, negative pressure is created on the lee side of the property. This negative pressure tends to suck the warm room air out through the vent. Without an air stream-operated damper, the thermostat makes matters worse because the warm room air causes the thermostat to fully open the vent. The same thing also happens in a villa with more than one floor where thermodynamics (hot air rising) causes the room air to seek its way out through the highest vents.

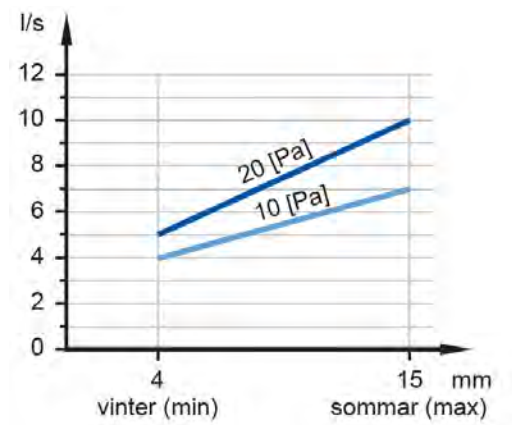


### Adjustable minimum flow

To ensure a minimum flow in cold weather, do not close the vent completely but leave it open 4 mm. However, the vent can always be opened or closed completely by turning the valve disc anticlockwise to increase the flow and clockwise to decrease it. The air stream-operated damper also serves as air diffuser and, as the illustration shows, creates an almost ideal condition for spreading the air and preventing cold draught. The arrows show the direction and the relative air velocity at each measuring point.

## Air flow diagram

The air flow in litres per second at a pressure difference of 20 Pa and 10 Pa between the outside and the inside.



# Lins 100 & 60 cm

Automatic trickle vent



# Lins 100 & 60 cm

Automatic trickle vent



Lins is the third generation of our thermostatically controlled trickle vents that has been on the market since 1995. In addition to certain new features and accessories, Lins has been given a more elegant look in order to better blend into the surroundings.

## Lins characteristics:

The separate attachment profile that makes it possible to install very long vents without any risk of air leakage between the vent and the frame/sash. The attachment profile also serves as a drill template during installation, which is why there is no need for a separate drill template with its associated handling. Non-return valve that prevents the hot room air from being sucked out in windy weather.

## Minimum flow fuse

To secure a minimum flow, Lins in thermostat mode/snap mode never closes completely but remains 30% open. Regardless of the outdoor temperature, full opening or closing can always be done with the hand control ( +open, - close).

### Accessories

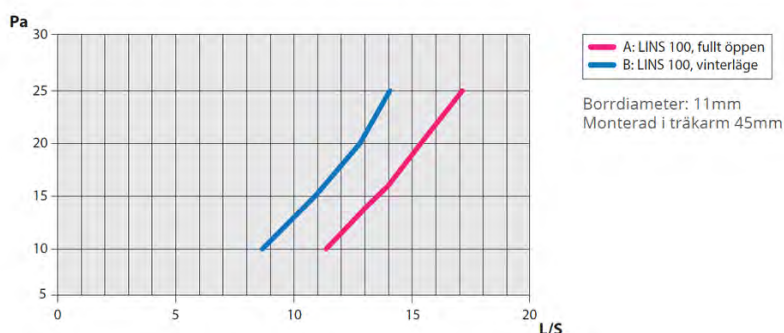
There are outer wall grilles made of anodised or white-lacquered aluminium to cover drill holes, etc., in the window sash and frame.

### Standard lengths

60 and 100 cm-long Lins vents are in stock. For larger volumes, other lengths can be supplied.

### LINS flow and pressure drop diagram

60 and 100 cm-long Lins vents are in stock. For larger volumes, other lengths can be supplied.





# The big difference

## Air intake via a so-called slot air valve

So far, this has been the most common form of fresh air supply because hole-making and valve-fitting can easily be carried out in connection with window manufacturing. The disadvantages of this approach are as follows: The concentrated air opening means that the air velocity becomes high and the air jet often reaches far into the room without having been mixed with the room air, causing a sensation of draught. The valves in this type of installation are often found completely closed.



## Air intake behind the radiator

The so-called preheated air. This method causes problems in well insulated homes in the autumn and spring when there is normally no need for radiator heating. Without heat on the radiator, the cold air flows out over the floor and is perceived as floor draught. The measure that can be taken here is to increase the heat supply to the radiator, resulting in increased heat consumption.



## Air intake with LINS trickle vent

Lins length is selected so as to obtain the lowest possible air velocity (The longer the vent, the lower the air velocity). With this assembly, the air jet is spread over a long distance, and is mixed with the warm air in the room without a sensation of draught. The non-return valve also helps minimise draught problems in windy weather

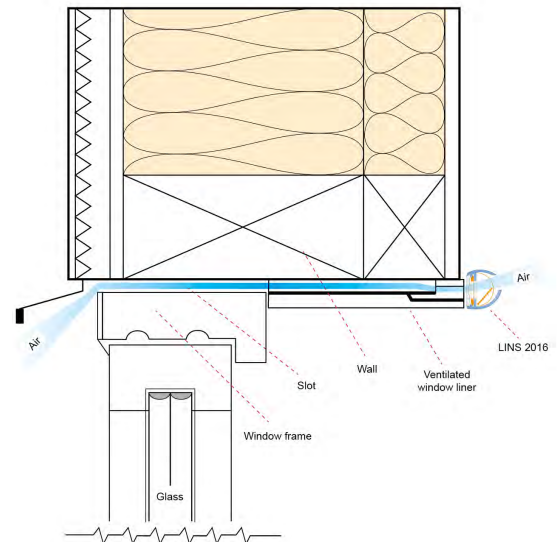




# NEW!

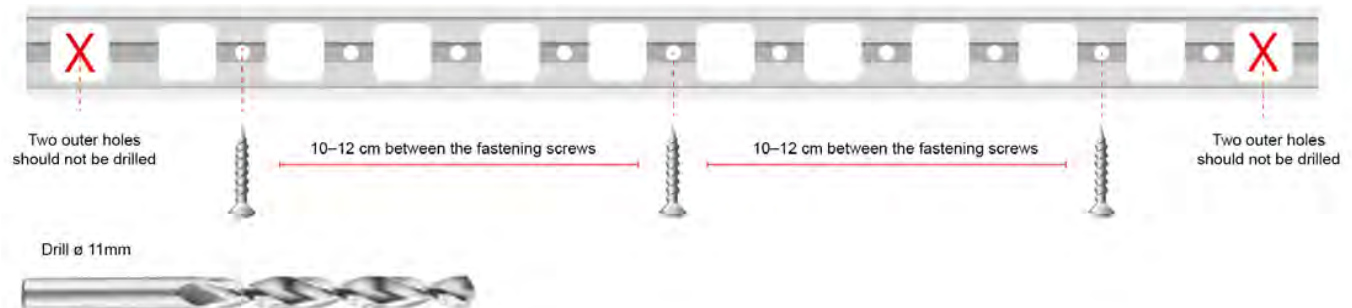
## Lins installation without hole-drilling

With our ventilating and sound-absorbing window liner, installation can be done on all types of windows (wood, plastic, aluminium etc.) without making any holes in the window structure. Instead, we use the slot above the window, between the ash and wall section. If the full width of the window is utilised, a 5–7 mm slot is sufficient. From the slot between the window and wall, the air is guided to ducts in the window lining. The design provides very effective attenuation of disturbing noise while at the same time making the installation very discreet. Max. window recess depth 200 mm. The lining is made of pine, and it is primed.



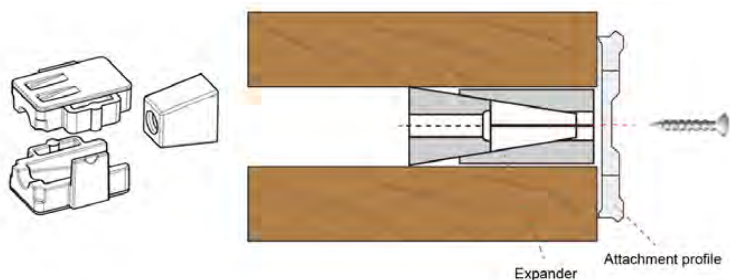
## Assembly description

### Mounting of attachment profile



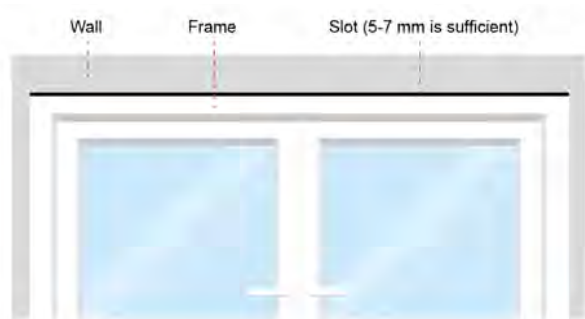
### Installation of the attachment profile in milled opening where the slot valve is located

For installation in milled opening (9–12 mm) a special expander bracket (XP 9/12) has been developed. The attachment profile is secured to the expander bracket using the supplied screw and is loosely tightened, after which the expander bracket is inserted into the opening and the screw is tightened.

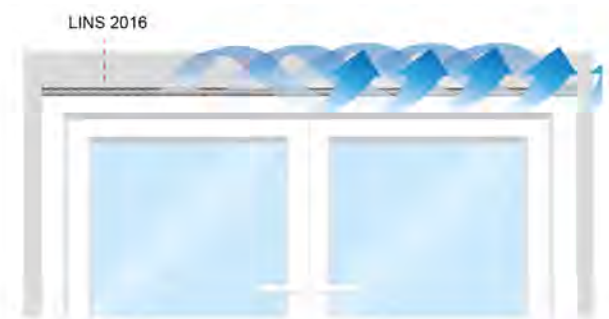


## Mounting without holes

1) We use the slot between the sash and wall section.

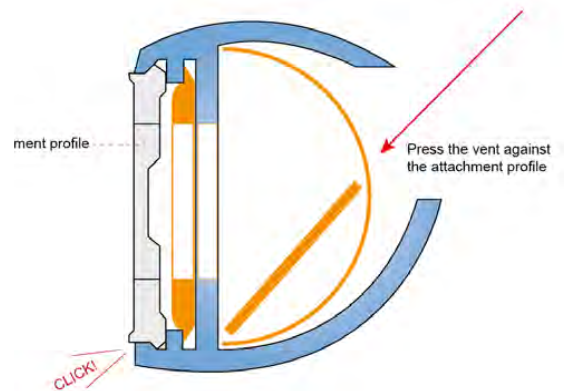


2) The air is routed to ducts in the window liner.



## Valve against attachment profile

The valve is locked to the attachment profile by hanging the valve on the attachment profile, aligning it to the drill holes, and then pushing it inwards/downwards with force, starting from the control side.



# Sirrus KFS 125

Automatic damper for cooker hoods



Automatic damper for cooker hoods

# Sirrus KFS 125

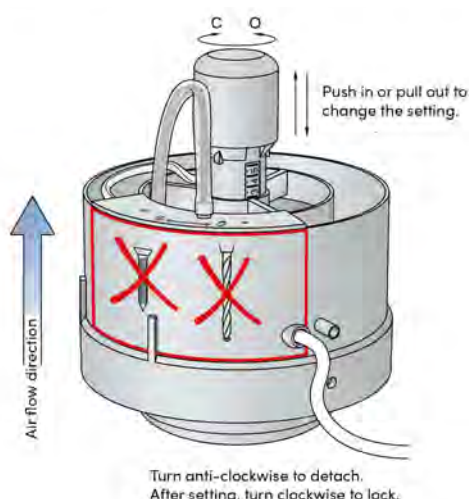
Instead of carbon filter



Sirrus KFS 125 is an all-Swedish invention which makes it possible to connect any type of cooker hood – regardless of the brand – to a mechanical ventilation system. A built-in pressure switch detects when the cooker hood is on and then opens from the set basic position to controlled forced operation (opening time approx. 30 seconds).

## Warning

If a cooker hood without a damper is installed, the following will most likely occur: Over-ventilation of one's home, as a result of which, it would feel cold and draughty. The ventilation decreases or ceases in the bathroom and in the toilet. Neighbouring flats will smell your cooking smells



## Installation proposal for Sirrus KFS 125

### Cooker hood connection

Note! The damper must always be installed vertically. All components have Ø125 mm connection.

**Any cold drop protection must be removed before installing Sirrus KFS 125.**

1. Hose clamp
2. Wall plate
3. Hose
4. Hose clamp
5. Sirrus KFS 125
6. Adjustment ring (if relevant)
7. Cooker hood



## Direct duct system installation

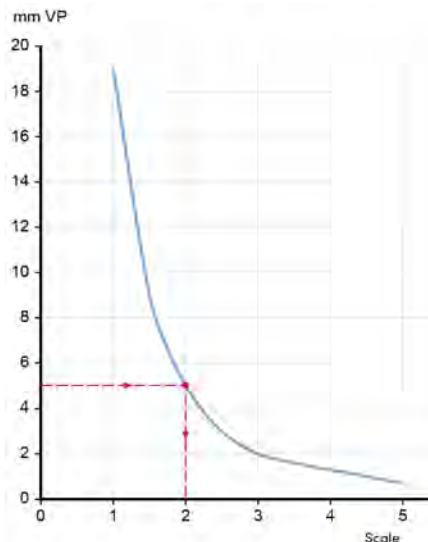
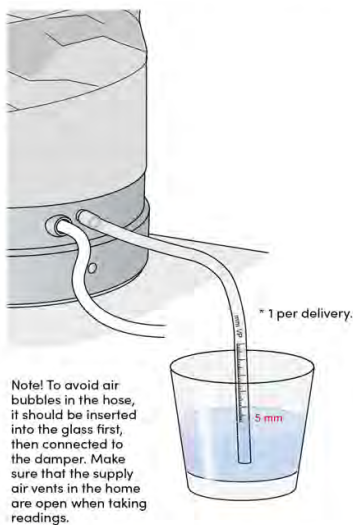
In the event of disturbing noise from the ventilation system, the damper should be mounted directly adjacent to the duct system.

1. Wall plate
2. Short bend with nipple and sleeve coupling
3. Sirrus KFS 125
4. Nipple for hose or pipe
5. Sound-absorbing hose AKU-COMP
6. Cooker hood



## Setting up the basic flow

The basic flow is set by first measuring the current negative pressure using the measuring hose. The measured value is then entered into the diagram (see example). Use it to find the shell position



If a Pascal-based measuring instrument is used, divide by 10 (10 Pa = 1mm of water column)

## Functional Check

Pull out the damper plug. In about 30 minutes insert the plug again. Disconnect the hose from the damper and set to scale position 2. Start the cooker hood, put your hand over the damper and within 30 seconds you should feel air flow greatly increasing.

## Why install Sirrus KFS 125 in the entire property

- Less cooking smell and quieter ventilation.
- Lower maintenance costs and fewer complaints.
- Reduced electricity and heating costs.

# Exhaust air valve OPK-M-series

OPK-M-series, exhaust motorized air valve,  
100 mm - 160 mm





# Exhaust air valve OPK-M-series

OPK-M-series, exhaust motorized air valve, 100 mm - 160 mm



OPK-M is an electric motor-controlled air valve for use in central air systems for ventilating rooms where you want to force ventilation, eg in bathrooms, kitchens, basement rooms etc. The valve opens electrically which will increase the air flow by a factor of 2-6 times. After the electricity is switched off, the valve automatically returns to its basic position (basic air volume mode). The design of the valve and a gasket of moltoprene prevents soiling. All components are designed for use in harsh environments and are not affected by, for example, moisture or dust

## 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

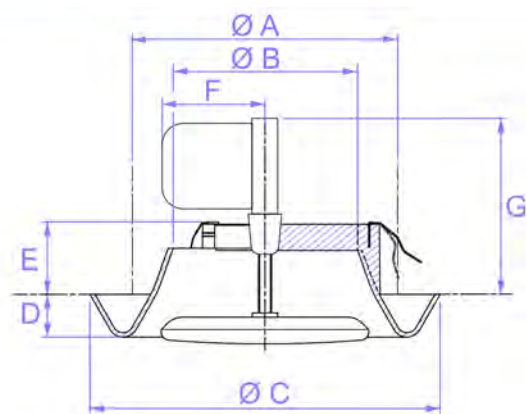
Celsius. The material keeps its color over time and is recyclable. The motor housing is produced in galvanized steel.

## Cleaning

The valve is cleaned with normal detergent.

## Color

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



OPK-M	Ø A	Ø B	Ø C	D	E	F	G	Weight
100-M	100	80	152	20	31	50	115	345 gr
125-M	125	98	165	23	30	50	120	370 gr
160-M	160	115	190	20	35	50	120	465 gr

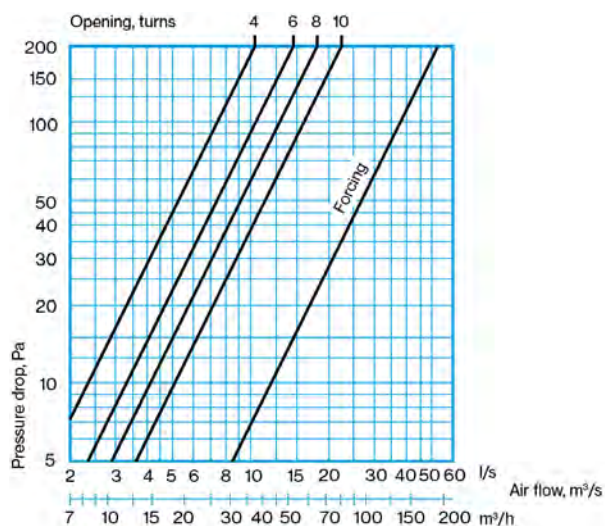
# Specifications

## Capacity charts

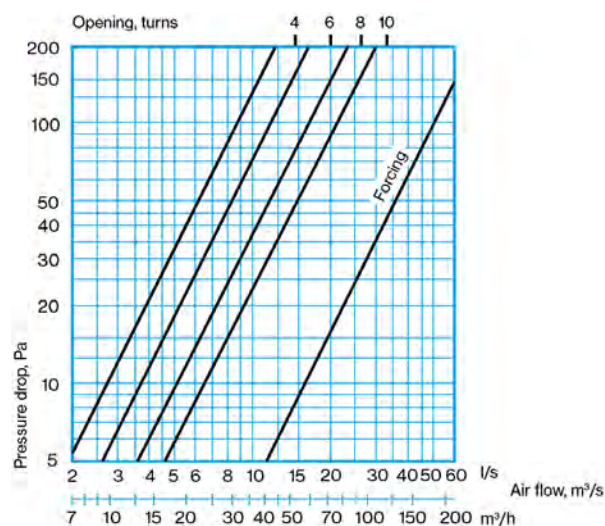
### Voltage

240v, 50-60 Hz.

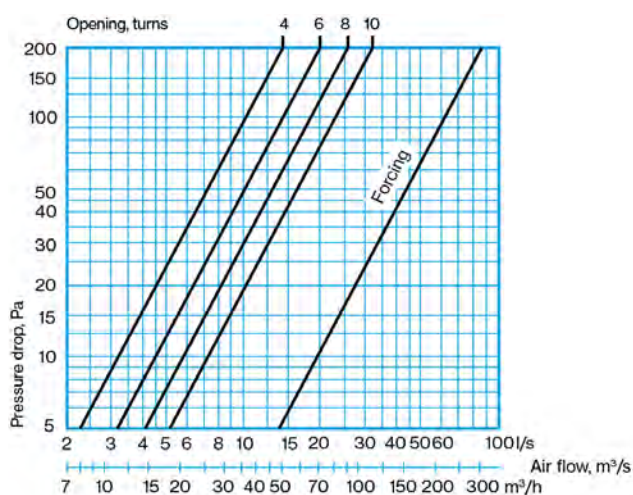
### OPK 100M



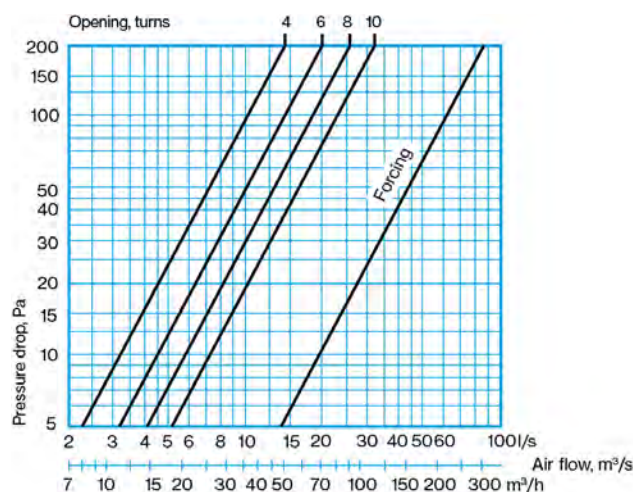
### OPK 125M



### OPK 150M



### OPK 160M



# Exhaust air valve OPF-series

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



# Exhaust air valve OPF-series

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



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

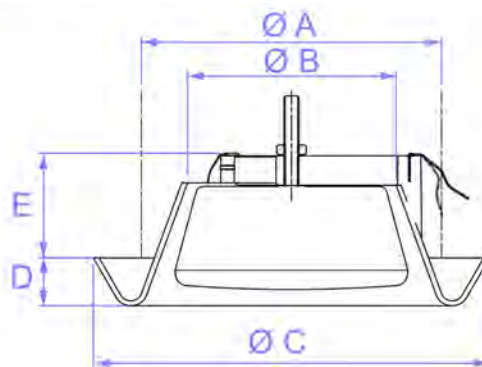
The valve is made of polypropylene plastic that can withstand temperatures up to 120 degrees Celsius. The material keeps its color over time and is recyclable.

## Cleaning

The valve is cleaned with normal detergent.

## Color

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



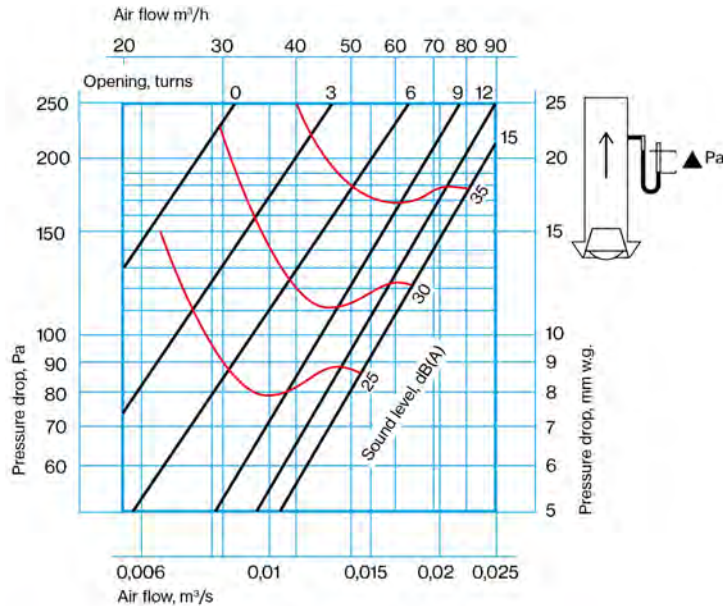
OPF	Ø A	Ø B	Ø C	D	E	Weight
80	80	45	115	20	38	66 gr
100	100	70	138	20	45	102 gr
125	125	85	165	20	43	128 gr
150	150	95	193	21	45	182 gr
160	160	95	193	21	45	182 gr
200	200	162	240	18	45	315 gr



# 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

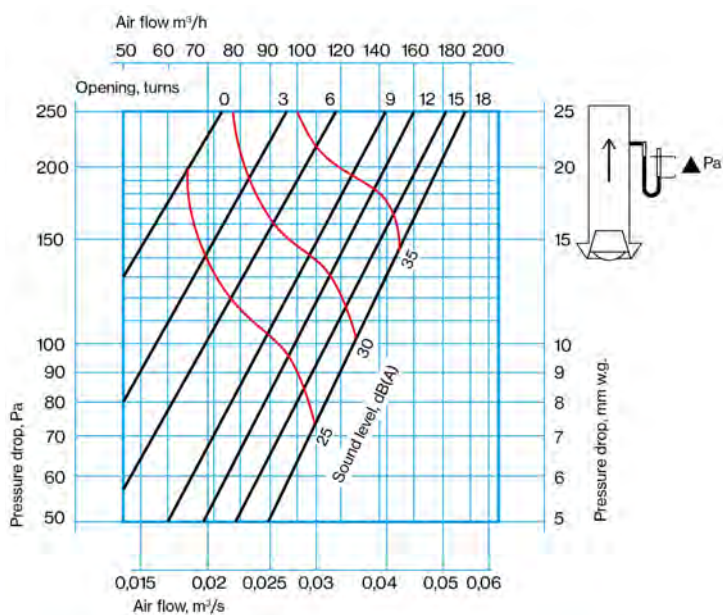
63	125	250	500	1000	2000	4000	8000
7	8	0	-8	-9	-3	-1	-5

### 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

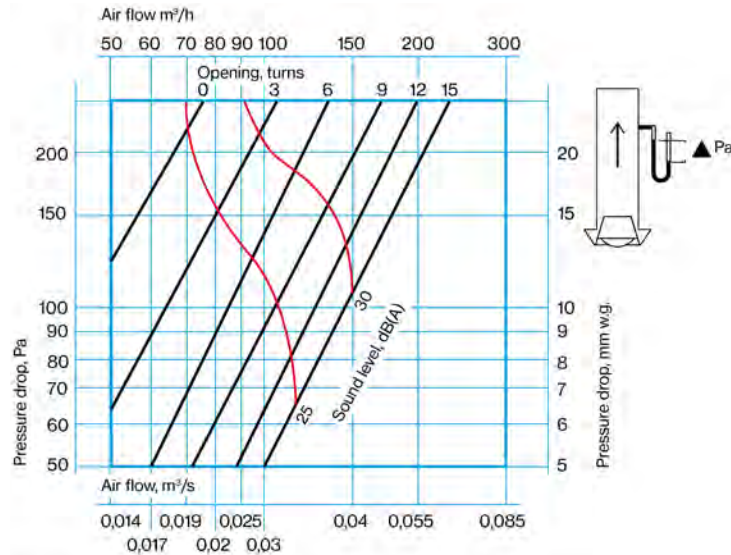
0	2	4	6	8	10	15	20
1.86	2.03	2.31	2.55	2.78	3.01	3.4	3.92



# Specifications

## Capacity charts

### OPF-125



#### Sound

Correction of the sound level at different frequencies

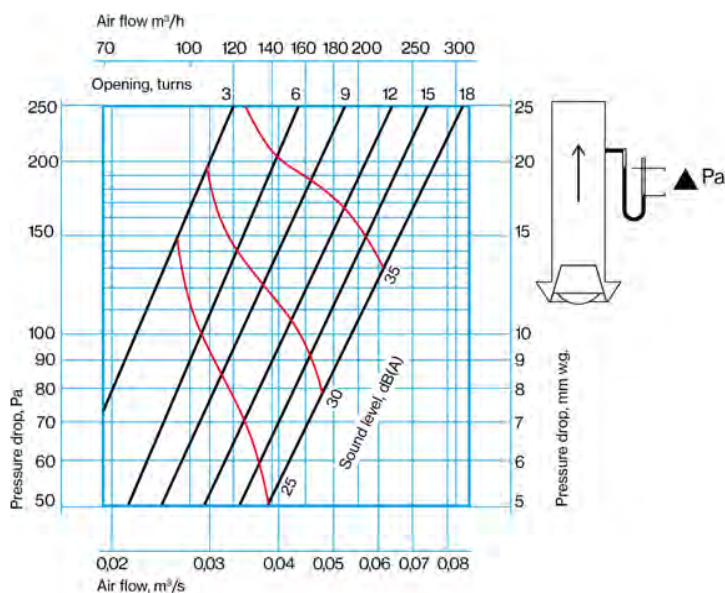
63	125	250	500	1000	2000	4000	8000
7	10	5	-5	-5	-3	-4	-7

#### 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

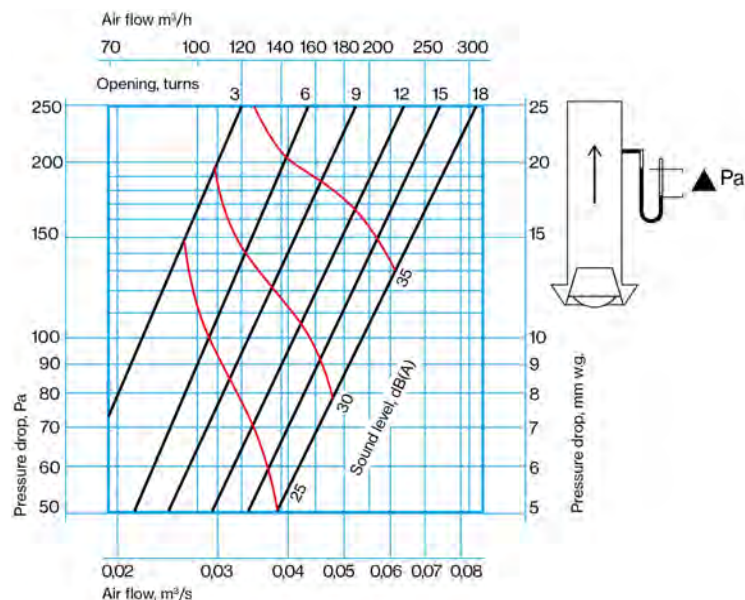




# Specifications

## 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

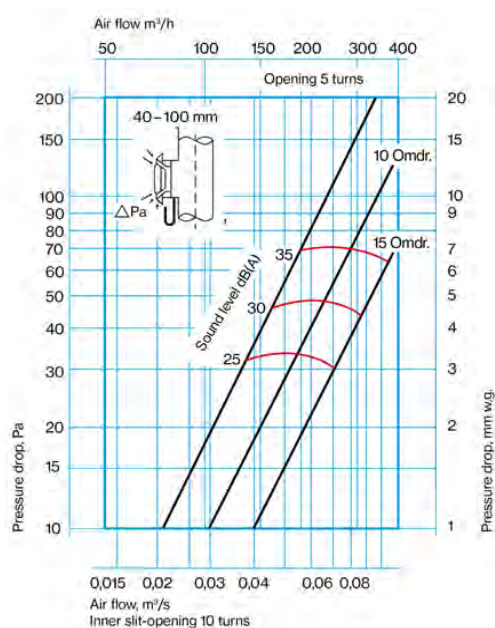
63	125	250	500	1000	2000	4000	8000
9	9	2	-9	-6	-4	-4	-9

#### 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

# Exhaust air valve OPK-series

OPK-series, exhaust air valve, 100 mm - 200 mm



# Exhaust air valve OPK-series

OPK-series, exhaust air valve, 100 mm - 200 mm



OPK 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 low 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

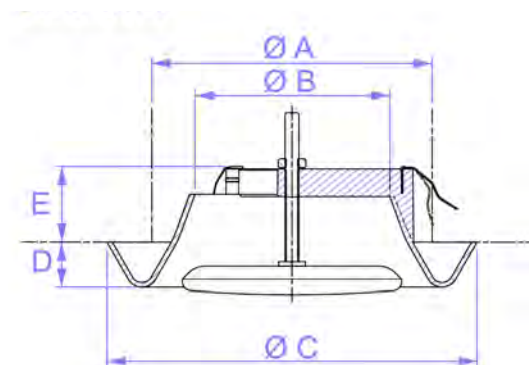
The valve is made of polypropylene plastic that can withstand temperatures up to 120 degrees Celsius. The material keeps its color over time and is recyclable.

## Cleaning

The valve is cleaned with normal detergent.

## Color

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

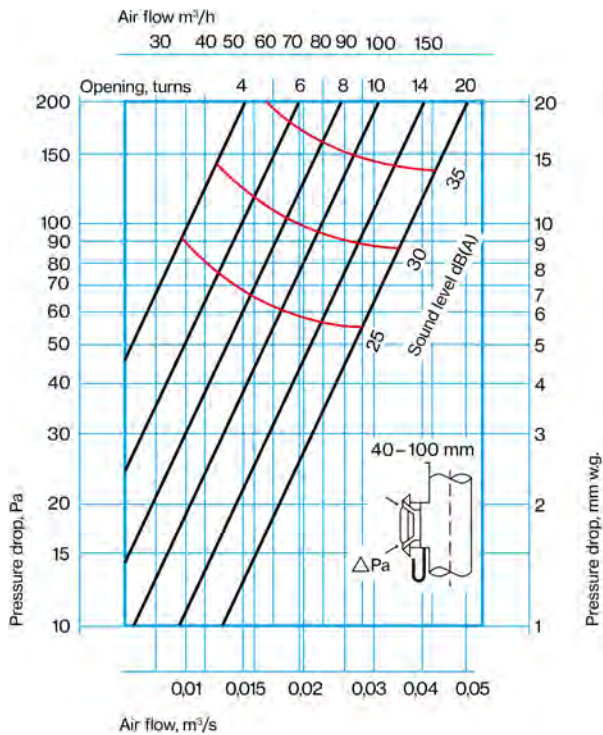


OPK	Ø A	Ø B	Ø C	D	E	Weight
100	100	80	152	20	31	107 gr
125	125	98	165	23	30	130 gr
150	150	115	190	19	35	152 gr
160	160	115	190	19	35	152 gr
200	200	163	240	20	35	310 gr

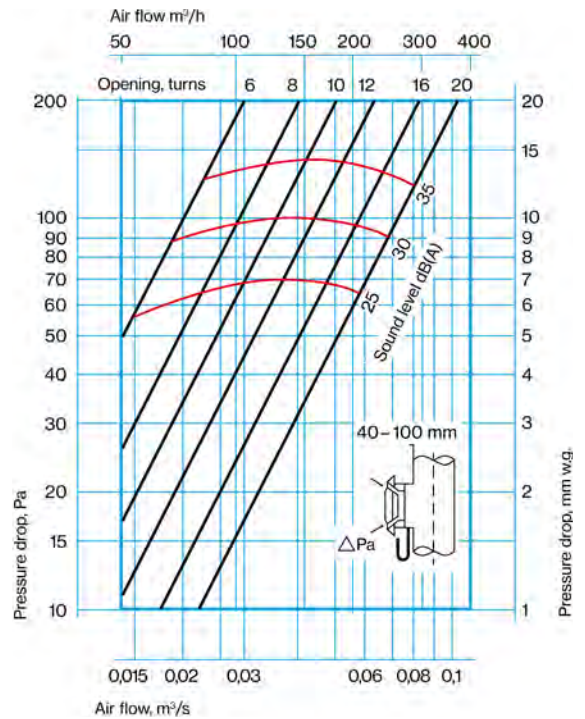
# Specifications

## Capacity charts

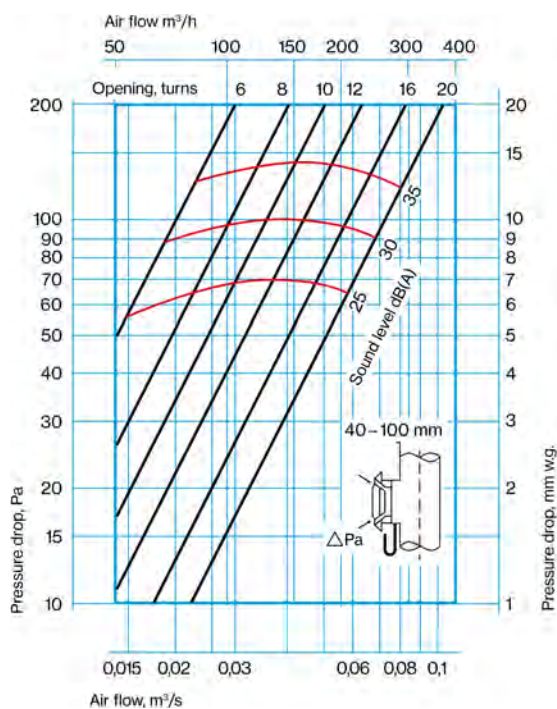
### OPK 100



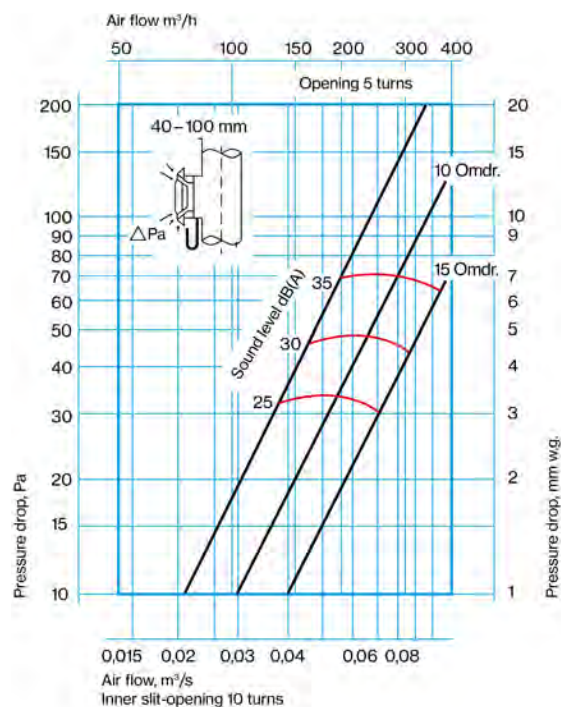
### OPK 150



### OPK 160



### OPK 200



# Supply air valve OPT-series

OPT-series, supply air valve, 63 mm - 200 mm





# Supply air valve OPT-series

OPT-series, supply air valve, 63 mm - 200 mm



OPT 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 valve can be equipped with air directional units (180 degrees) in the desired direction. 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

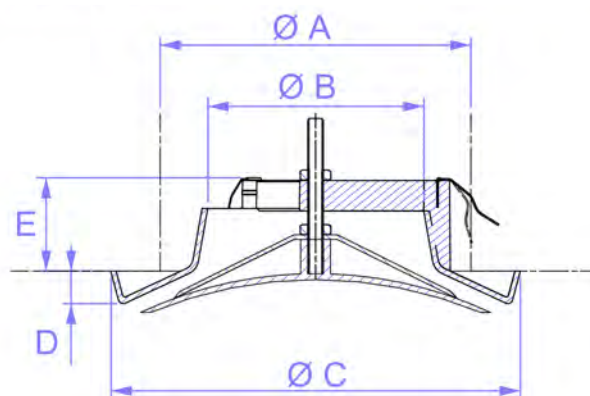
The valve is made of polypropylene plastic that can withstand temperatures up to 120 degrees Celsius. The material keeps its color over time and is recyclable.

## Cleaning

The valve is cleaned with normal detergent.

## Color

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



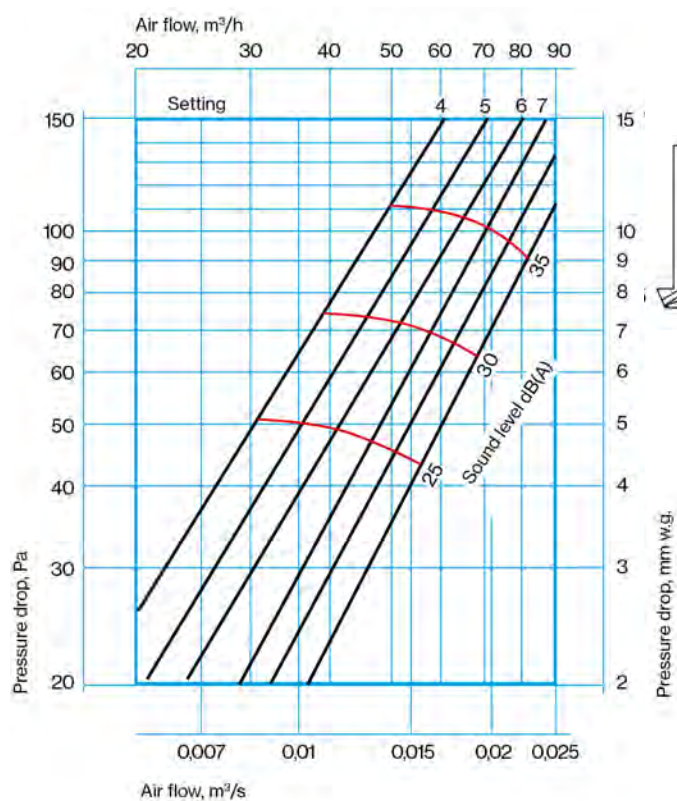
OPT	Ø A	Ø B	Ø C	D	E	Weight
80	80	46	120	20	40	80 gr
100	100	74	150	17	40	110 gr
125	125	93	180	20	40	182 gr
150	150	113	205	23	35	224 gr
160	160	113	205	23	35	224 gr
200	200	165	245	22	45	358 gr



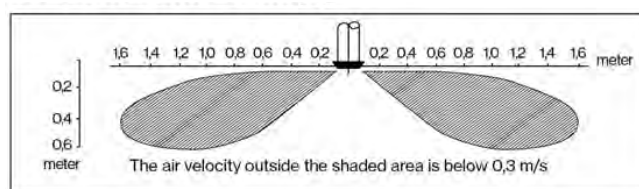
# Specifications

## Capacity charts

### OPT-100



Distribution pattern at 110l/s at 100 Pa and 27 dB(A)



### 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 valve	13,5	13,5	12,5	12,5	12,0	12,0	12,0

### K-Factor

Number of openings (rotations), n

2	4	6	8	10	15	20
1.31	2.44	3.58	4.31	4.63	-	-

### Sound

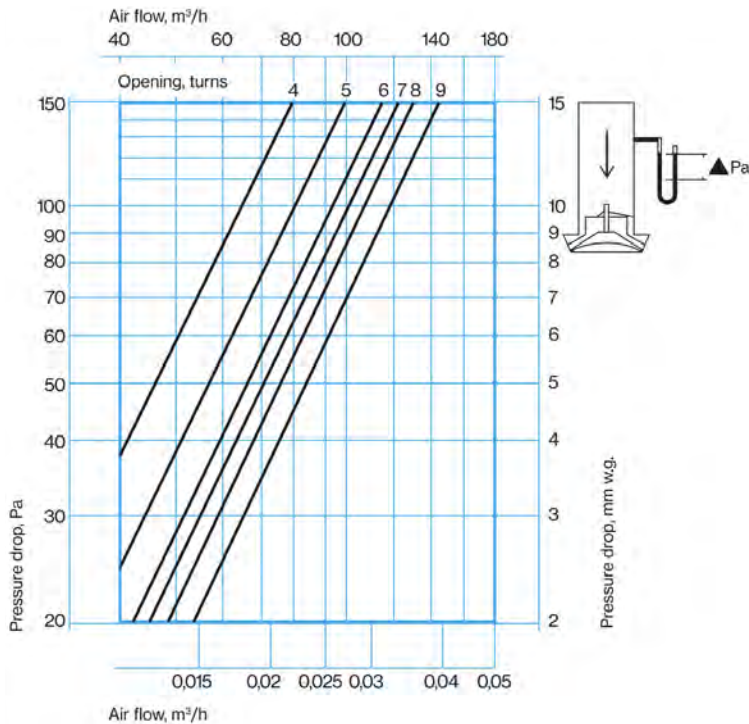
Correction of the sound level at different frequencies

63	125	250	500	1000	2000	4000	8000
-2	-1	-2	-3	-1	-2	-7	-13

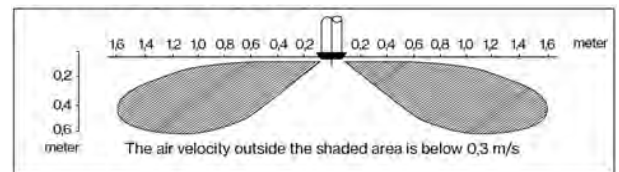
# Specifications

## Capacity charts

### OPT-125



Distribution pattern at 70m³/h at 7 mm and 30 dB(A)



### Sound Attenuation dB(A)±1

Turns	0	4	5	6	7	8	9
1 valve	14,0	8,0	8,0	7,5	7,0	6,5	6,0
2 valve	15,0	13,5	12,5	12,0	11,5	11,0	10,5

### K-Factor

Number of openings (rotations), n

2	4	6	8	10	15	20
0.59	0.94	1.31	2	2.26	2.67	3.81

### Sound

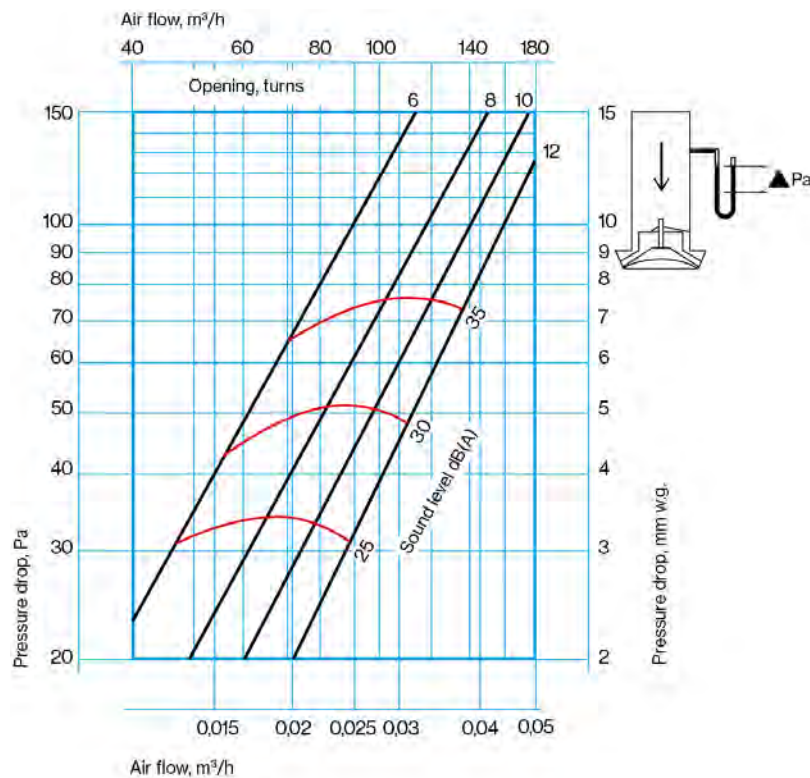
Correction of the sound level at different frequencies

63	125	250	500	1000	2000	4000	8000
0	1	-2	-5	-5	-5	-8	-18

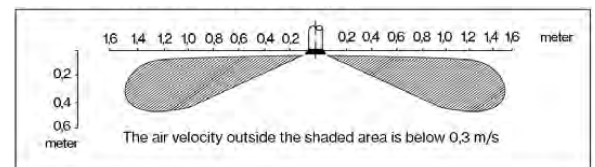
# Specifications

## Capacity charts

### OPT-150



Distribution pattern at 110m³/s at 4.8 mm and 30 dB(A)



### Sound Attenuation dB(A)±1

Turns	0	6	8	10	12
1 valve	14,5	6,5	6,0	6,0	6,0
2 valve	18,0	12,0	10,5	9,5	9,5

Blanking- off segments are supplied as accessories and should be fitted for the required change in air flow direction in one, two or three openings of the valve disc. On a change in direction, the air flow rate and sound level at constant pressure drop will be as tabulated below:

Number of segments	Air flow rate	Sound level
1	O x 0,83	L - 1
2	O x 0,67	L - 3
3	O x 0,50	L - 4

Ex 5,5 mm w.g., 8 turns. Q = 88 m³/h.  
L = 32 dB(A).  
With three segments:  
Q = 88 x 0,50 = 44 m³/h  
L = 32 - 4 = 28 dB(A).

### Sound

Correction of the sound level at different frequencies

63	125	250	500	1000	2000	4000	8000
1	-2	-2	1	-1	-3	-9	-18

### K-Factor

Number of openings (rotations), n

2	4	6	8	10	15	20
1.58	2.38	3.06	3.7	4.37	6.23	8.71

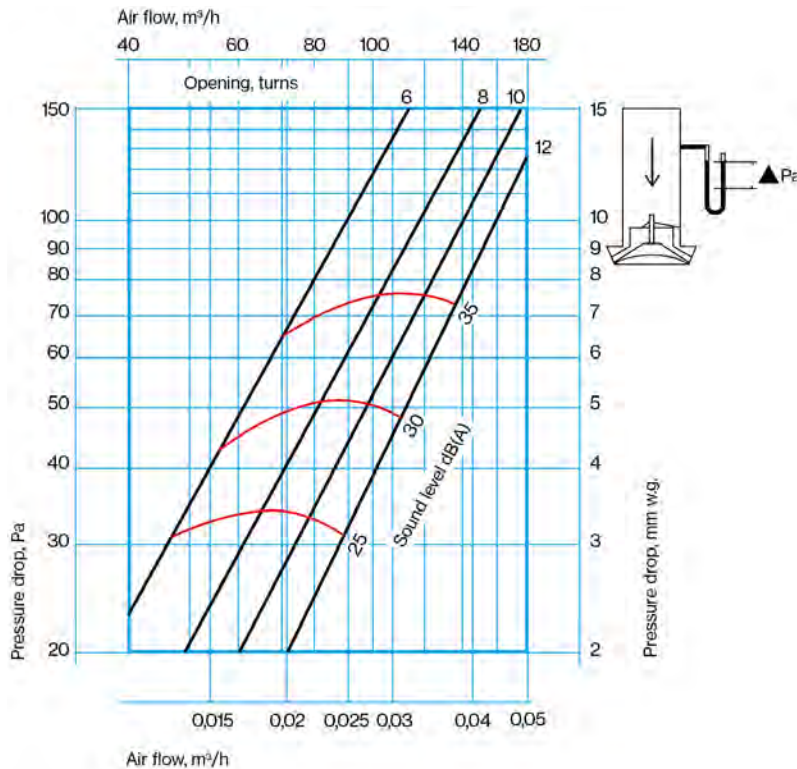




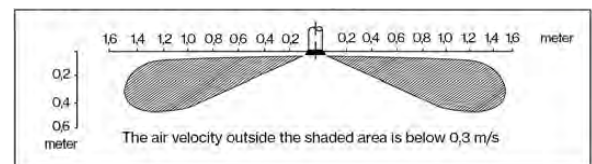
# Specifications

## Capacity charts

### OPT-160



Distribution pattern at 110m³/s at 4.8 mm and 30 dB(A)



### Sound Attenuation dB(A)±1

Turns	0	6	8	10	12
1 valve	14,5	6,5	6,0	6,0	6,0
2 valve	18,0	12,0	10,5	9,5	9,5

Blanking- off segments are supplied as accessories and should be fitted for the required change in air flow direction in one, two or three openings of the valve disc. On a change in direction, the air flow rate and sound level at constant pressure drop will be as tabulated below:

Number of segments	Air flow rate	Sound level
1	O x 0,83	L - 1
2	O x 0,67	L - 3
3	O x 0,50	L - 4

Ex 5,5 mm w.g., 8 turns.  $Q = 88 \text{ m}^3/\text{h}$ .  
 $L = 32 \text{ dB(A)}$ .  
 With three segments:  
 $Q = 88 \times 0,50 = 44 \text{ m}^3/\text{h}$   
 $L = 32 - 4 = 28 \text{ dB(A)}$ .

### Sound

Correction of the sound level at different frequencies

63	125	250	500	1000	2000	4000	8000
1	-2	-2	1	-1	-3	-9	-18

### K-Factor

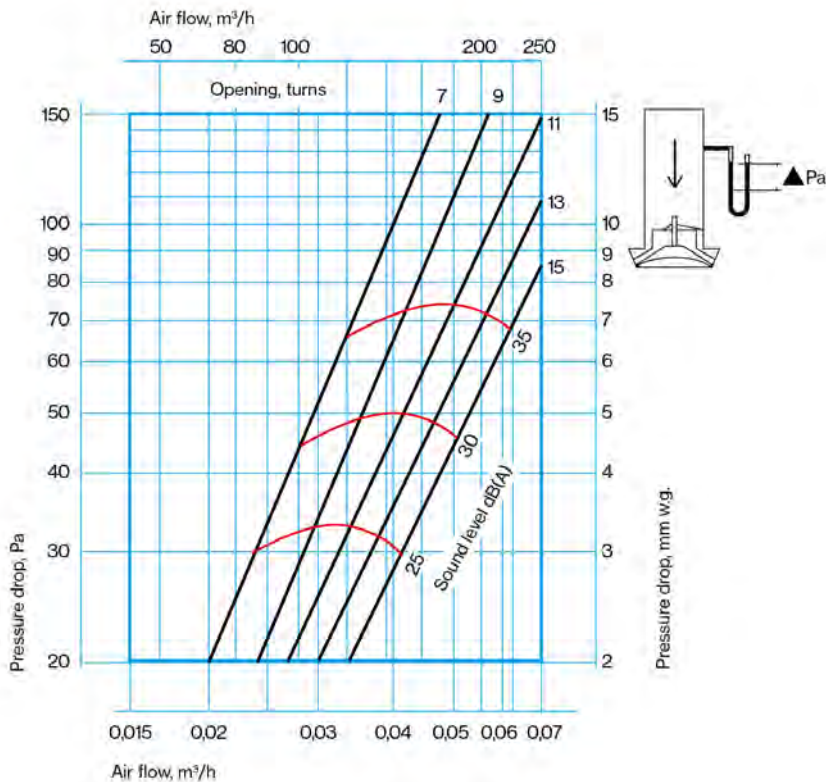
Number of openings (rotations), n

2	4	6	8	10	15	20
1.58	2.38	3.06	3.7	4.37	6.23	8.71

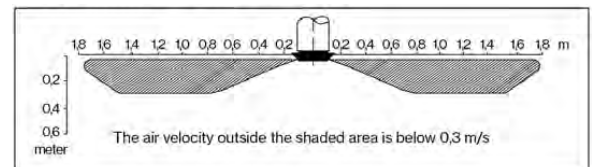
# Specifications

## Capacity charts

### OPT-200



Distribution pattern at 110m³/s at 4.8 mm and 30 dB(A)



### Sound Attenuation dB(A)±1

Turns	0	7	9	11	13	15
1 valve	15,5	6,5	6,0	5,5	5,5	5,5
2 valve	19,0	12,5	11,0	10,5	9,5	9,5

Blanking- off segments are supplied as accessories and should be fitted for the required change in air flow direction in one, two or three openings of the valve disc. On a change in direction, the air flow rate and sound level at constant pressure drop will be as tabulated below:

Number of segments	Air flow rate	Sound level
1	O x 0,83	L - 0
2	O x 0,67	L - 2
3	O x 0,50	L - 4

Ex 6,5 mm w.g., 7 turns. Q = 120 m³/h.  
L = 35 dB(A).  
With two segments:  
Q = 120 x 0,67 = 80,4 m³/h

### Sound

Correction of the sound level at different frequencies

63	125	250	500	1000	2000	4000	8000
-6	-3	-6	-1	0	-4	-9	-16

### K-Factor

Number of openings (rotations), n

2	4	6	8	10	15	20
1.93	3.2	4.14	5.03	5.84	8.87	11.6

# Supply- and exhaust air valve OPTR 100

OPTR-series, supply- and exhaust air valve, 100 mm





# Supply- and exhaust air valve OPTR 100

OPTR-series, supply- and exhaust air valve, 100 mm



OPTR 100 is a 100mm round valve with aerodynamically design with good characteristics in terms of noise level, air flow capacity and pressure drop.

The valve is mounted on a wall and is intended for ventilation systems with a relatively high pressure drop and is used both as a supply and exhaust valve. The design of the valve and a gasket of moltoprene prevents soiling.

## Attachment, adjustment and detachment

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

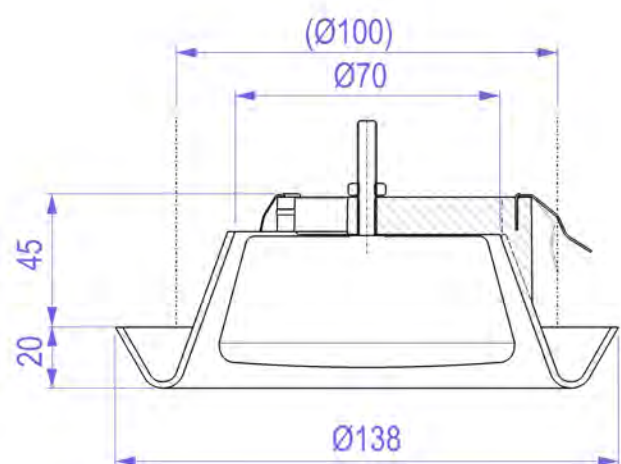
The valve is made of polypropylene plastic that can withstand temperatures up to 120 degrees Celsius. The material keeps its color over time and is recyclable.

## Cleaning

The valve is cleaned with normal detergent.

## Color

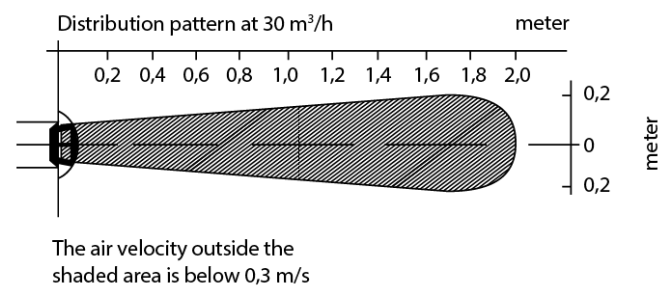
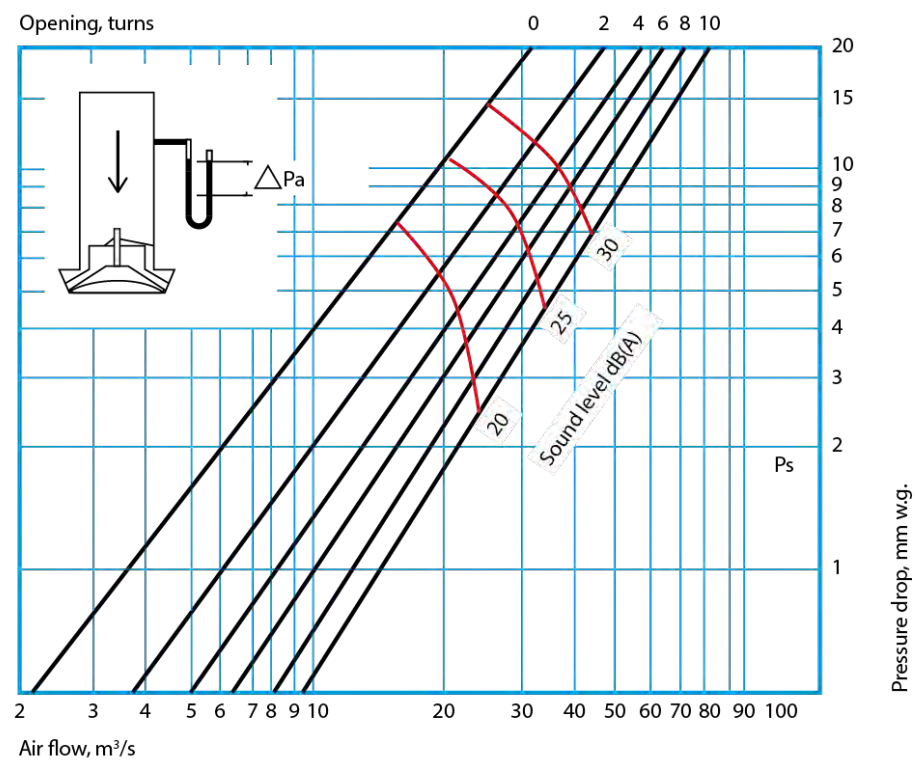
Standard white (RAL 9003). Other colors can be delivered by arrangement.



# Specifications

## Capacity charts

### OPTR-100



# Supply air valve OPT Metal-series

OPT-series, exhaust air valve, 80 mm - 125 mm



# Supply air valve OPT Metal-series

OPT-series, exhaust air valve, 80 mm – 125 mm



OPT Metal 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. 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 sheet steel and is available in the following diameters: ø 80, ø 100, ø 125.

## Cleaning

The valve is cleaned with normal detergent.

## Color

Standard white.

# Exhaust air valve OPF Steel-series

OPF Steel-series, exhaust air valve, 80 mm - 125 mm





# Exhaust air valve OPF Steel-series

OPF Steel-series, exhaust air valve, 80 mm – 125 mm



OPF Steel 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. 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 sheet steel and is available in the following diameters: ø 80, ø 100, ø 125.

## Cleaning

The valve is cleaned with normal detergent.

## Color

Standard white.

# Grill OPMG-series

OPMG-series, grill, 40 mm - 80 mm



# Grill OPMG-series

OPMG-series, grill, 40 mm - 80 mm



OPMG is a stylish, efficient and modular grill for in and out flow of air such as doors, cabinets or walls. The grills are designed for interior use. Available in different colors and lengths. The grills are available as intermediate and end pieces, these parts are easily assembled with a snap function.

## Cleaning

The valve is cleaned with normal detergent.

## Color

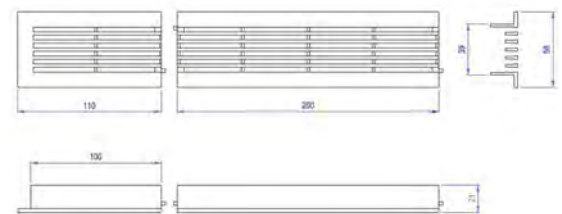
The product is available in white, brown and gray. Other colors can be delivered by agreement.

## Material

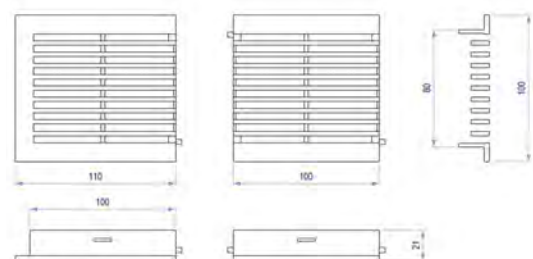
The grill is made of polypropylene plastic that can withstand temperatures up to 120 degrees Celsius. The material keeps its color over time and is recyclable..

## Dimensions

### OPMG 40



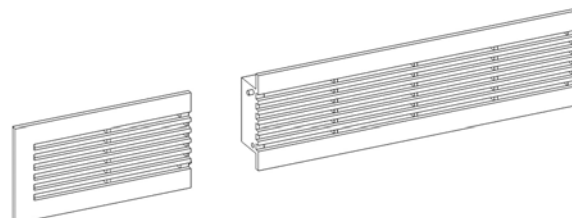
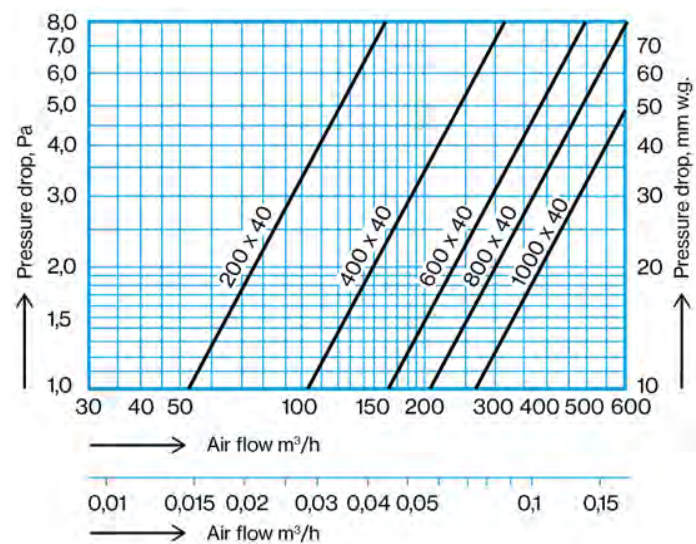
### OPMG 80



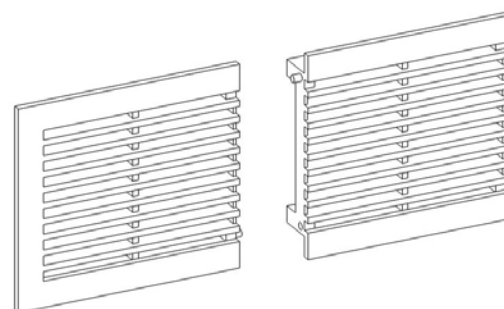
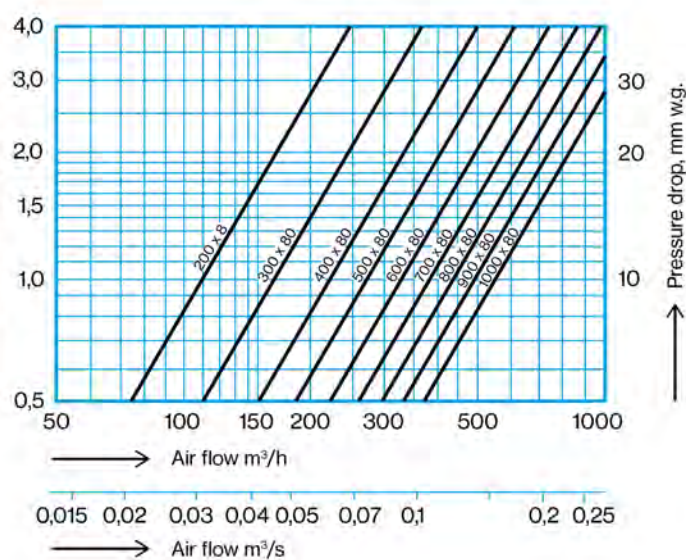
# Specifications

## Capacity charts

### OPMG-40



### OPMG-80



# Mounting frame without rubber gasket

Mounting frame, 80 mm - 200 mm





# Mounting Frame without Rubber Gasket

Mounting frame, 80 mm – 200 mm



Circular mounting frame suitable for supply and exhaust air valves. Has three pre-cut holes for secure mounting on the ceiling. The frame is bent for easy insertion into spiral tubes.

## Technical specifications

Dimensions (mm): 80, 100, 125, 150, 160, 200.

## Material

Galvanized steel.

# Mounting frame with rubber gasket

Mounting frame with rubber gasket, 80 mm - 200 mm



# Mounting Frame with Rubber Gasket

Mounting frame with rubber gasket, 80 mm - 200 mm



Circular mounting frame with rubber gasket suitable supply and exhaust air vales . Has three precut holes for secure mounting on the ceiling. The frame is bent for easy insertion into spiral tubes.

## Technical specifications

Dimensions (mm): 80, 100, 125, 150, 160, 200.

## Material

Galvanized steel.

# Foam ring

Foam ring (supply and exhaust valves),  
80 mm - 200 mm



# Foam Ring

Foam ring (supply and exhaust valves),  
80 mm – 200 mm



Foam ring fit to OPF, OPK and OPT-series.

## Technical specifications

Dimensions (mm): 80, 100, 125, 150, 160, 200.



# Fresh air valve 400 & 450



# Fresh air valve 400 & 450



With the Fresh air valve 400 and 450 you get a complete solution for natural ventilation in your home. The Fresh air valves comes in three parts; a telescopic tube, a grill and a wall valve. The inner white wall of the telescopic tube is equipped with a sound-insulated wall, a drawstring, a dust filter, a condensation-insulated lid and an insect net. Model 450 also comes with an extra sound insulation mat for reduced noise levels. Both the telescopic valve 400 and 450 model can be ordered with different outer grill colors such as gray, red and white. Both Fresh air valve models are used for wall thicknesses between 260–400 mm. The inner 260/400 mm telescopic tube of the fresh air valves can also be extended further with a 200 mm long extension tube which can be ordered separately.

## Attachment, adjustment and detachment

It is most suitable to install the telescopic valve 400 and 450 in the outer wall and about 100 mm from the ceiling. There should be two valves per space depending on the size of the space. The telescopic valves must always be placed opposite to each other so that the air circulation runs smooth and effortlessly. For predrilling of the installation hole, we recommend using a size diamond Ø105

## 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

## Cleaning

The valve is cleaned with normal detergent.

## Color

Standard white (RAL 9011). Other colors can be delivered by arrangement.

## Dimensions



# Specifications

## Capacity charts

### Product parts

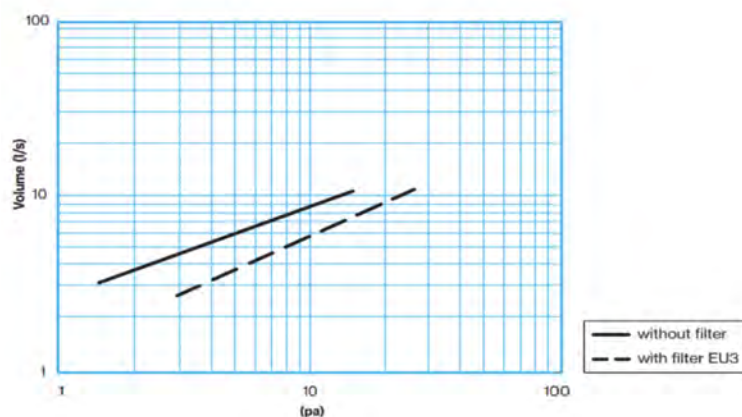
The Fresh air valves comes in three parts;  
A telescopic tube, a grill and a wall valve.  
Both the telescopic valve 400 and 450 models  
can be ordered with different outer  
grill colors such as gray, red and white.



### Air flow Capacity charts

Model 400  
(without sound insulation mat and filter)  
Model 450  
(with sound insulation mat and filter EUR3)

5 Pascal = 22 m<sup>3</sup>/h (6,0 l/s)  
10 Pascal = 33 m<sup>3</sup>/h (9,2 l/s)  
20 Pascal = 44 m<sup>3</sup>/h (12,2 l/s)  
Free area: 4,000 mm<sup>2</sup> (40 cm<sup>2</sup>)



### Sound Attenuation data

Sound attenuation: Open valve (Step 4)  
Sound attenuation:

Step 1: 45 dB  
Step 2: 28 dB  
Step 3: 27 dB  
Step 4: 26 dB

