

Air through perfection

Supply air valve



ACP
Valves

Supply air valve SV



Description

SV is a circular supply valve used to introduce air.

The valve is a practical ventilation solution, used in installations with constant or variable air flow.

Recommended for small rooms with wall or ceiling mounting.

Technical specifications

Characteristics

The valve is available in the following dimensional options: 100, 125, 150, 160, 200 mm.

The SV is equipped with an adjustable center disc and a mounting frame.

Screwing/unscrewing the center disc increases/decreases the space between the disc and the frame, thus obtaining the adjustment of the air flow.

Adjusting the disc is easy and is done manually.

The mounting frame is provided with holes and is used to attach the valve to the wall or ceiling.

The valve is provided with a sealing gasket.

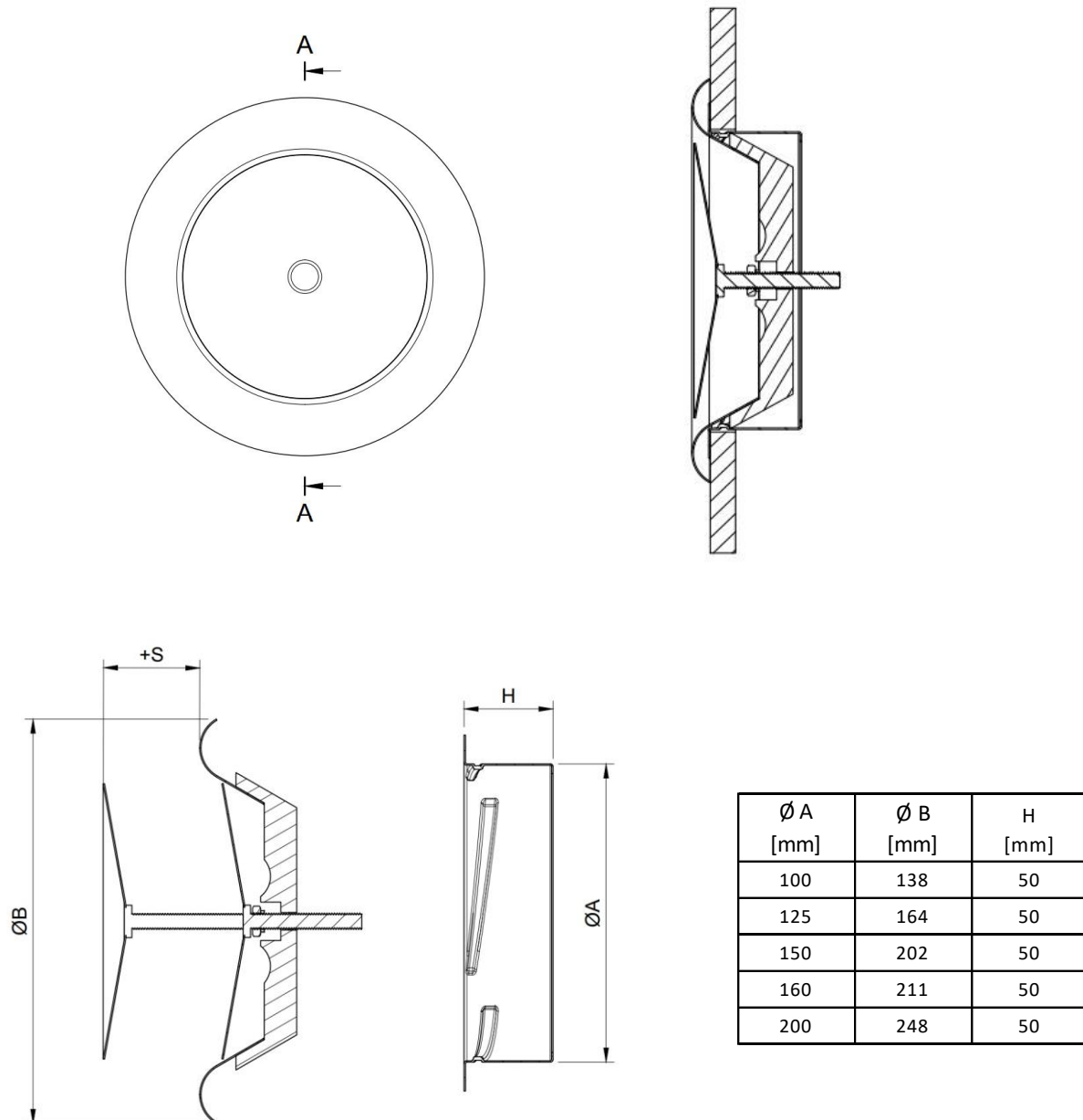
Materials

The valve is made of steel, electrostatic field painted in glossy white RAL9016.

Other RAL colours are available on request.

The mounting frame is made of galvanized steel sheet.

Technical drawing



Functional parameters

Air flow [m³/h]	Dimension [mm]	100								125							
	S [mm]	-3	-2	0	2	4	6	8	10	-7	-3	0	3	6	9	12	15
20	X [m]	0.7	0.6	0.5	0.2					0.3							
	NR [dB(A)]	30.0	28.0	17.0	4.0					5.0							
	ΔPt [Pa]	96.0	57.0	20.0	10.0					13.0							
35	X [m]	1.3	1.1	1.1	0.8	0.5				0.8	0.5						
	NR [dB(A)]	45.0	35.0	24.0	17.0	7.0				18.0	10.0						
	ΔPt [Pa]	190.0	100.0	42.0	20.0	12.0				30.0	13.0						
50	X [m]			1.8	1.5	1.4	1.3	1.3	1.2	1.9	1.7	1.5	1.5				
	NR [dB(A)]			38.0	30.0	24.0	22.0	20.0	16.0	32.0	22.0	20.0	15.0				
	ΔPt [Pa]			140.0	68.0	40.0	26.0	20.0	17.0	87.0	40.0	25.0	9.0				
70	X [m]			2.1	2.0	1.7	1.6	1.5	1.5	2.3	2.0	1.8	1.5	1.4	1.2		
	NR [dB(A)]			45.0	37.0	32.0	28.0	26.0	25.0	38.0	27.0	22.0	19.0	15.0	5.0		
	ΔPt [Pa]			200.0	110.0	62.0	43.0	32.0	28.0	140.0	66.0	40.0	26.0	16.0	12.0		
150	X [m]					2.7	2.5	2.3	2.2			3.9	3.4	3.0	2.8	2.7	2.6
	NR [dB(A)]					43.0	40.0	38.0	37.0			42.0	36.0	31.0	28.0	27.0	25.0
	ΔPt [Pa]					170.0	120.0	90.0	75.0			160.0	98.0	60.0	45.0	32.0	28.0

Air flow [m³/h]	Dimension [mm]	150							160					
	S [mm]	-5	-3	0	3	6	10	15	-10	-5	0	5	10	15
20	X [m]								1.7					
	NR [dB(A)]								17.0					
	ΔPt [Pa]								22.0					
35	X [m]	0.3							3.7	2.0				
	NR [dB(A)]	8.0							27.0	16.0				
	ΔPt [Pa]	14.0							60.0	18.0				
50	X [m]	3.0	2.6	2.0					5.6	3.3	1.8			
	NR [dB(A)]	22.0	16.0	10.0					38.0	23.0	18.0			
	ΔPt [Pa]	38.0	25.0	14.0					145.0	43.0	16.0			
70	X [m]	4.0	3.4	2.7	2.2				7.0	4.5	2.9	1.8		
	NR [dB(A)]	30.0	23.0	16.0	10.0				42.0	32.0	20.0	10.0		
	ΔPt [Pa]	62.0	42.0	25.0	15.0				240.0	70.0	28.0	12.0		
150	X [m]		6.5	5.2	4.4	3.8	3.0	2.7			5.6	4.2	3.1	2.8
	NR [dB(A)]		42.0	35.0	28.0	22.0	18.0	12.0			38.0	28.0	22.0	20.0
	ΔPt [Pa]		160.0	100.0	59.0	38.0	27.0	16.0			115.0	50.0	29.0	20.0
350	X [m]				7.0	6.0	5.4	5.0				7.5	5.5	5.1
	NR [dB(A)]				50.0	43.0	39.0	35.0				50.0	40.0	38.0
	ΔPt [Pa]				250.0	140.0	100.0	60.0				185.0	105.0	75.0

Air flow [m³/h]	Dimension [mm]	200							
	S [mm]	-3	0	3	6	9	12	15	20
35	X [m]	1.5							
	NR [dB(A)]	18.0							
	ΔPt [Pa]	23.0							
50	X [m]	3.1	1.8						
	NR [dB(A)]	28.0	18.0						
	ΔPt [Pa]	52.0	16.0						
70	X [m]	4.0	2.5	1.4					
	NR [dB(A)]	37.0	22.0	12.0					
	ΔPt [Pa]	90.0	29.0	12.0					
150	X [m]		5.0	3.9	2.9	2.2	1.8		
	NR [dB(A)]		38.0	27.0	20.0	18.0	12.0		
	ΔPt [Pa]		115.0	50.0	29.0	18.0	12.0		
350	X [m]			6.5	5.5	4.9	4.0	3.5	3.0
	NR [dB(A)]			40.0	35.0	30.0	28.0	16.0	24.0
	ΔPt [Pa]			170.0	100.0	60.0	42.0	32.0	23.0
550	X [m]				7.0	6.0	5.4	5.1	5.0
	NR [dB(A)]				45.0	40.0	37.0	37.0	34.0
	ΔPt [Pa]				200.0	135.0	90.0	62.0	50.0

The legend

S [mm] - Opening the disc

X [m] - Air jet length at the velocity 0.2 m/s

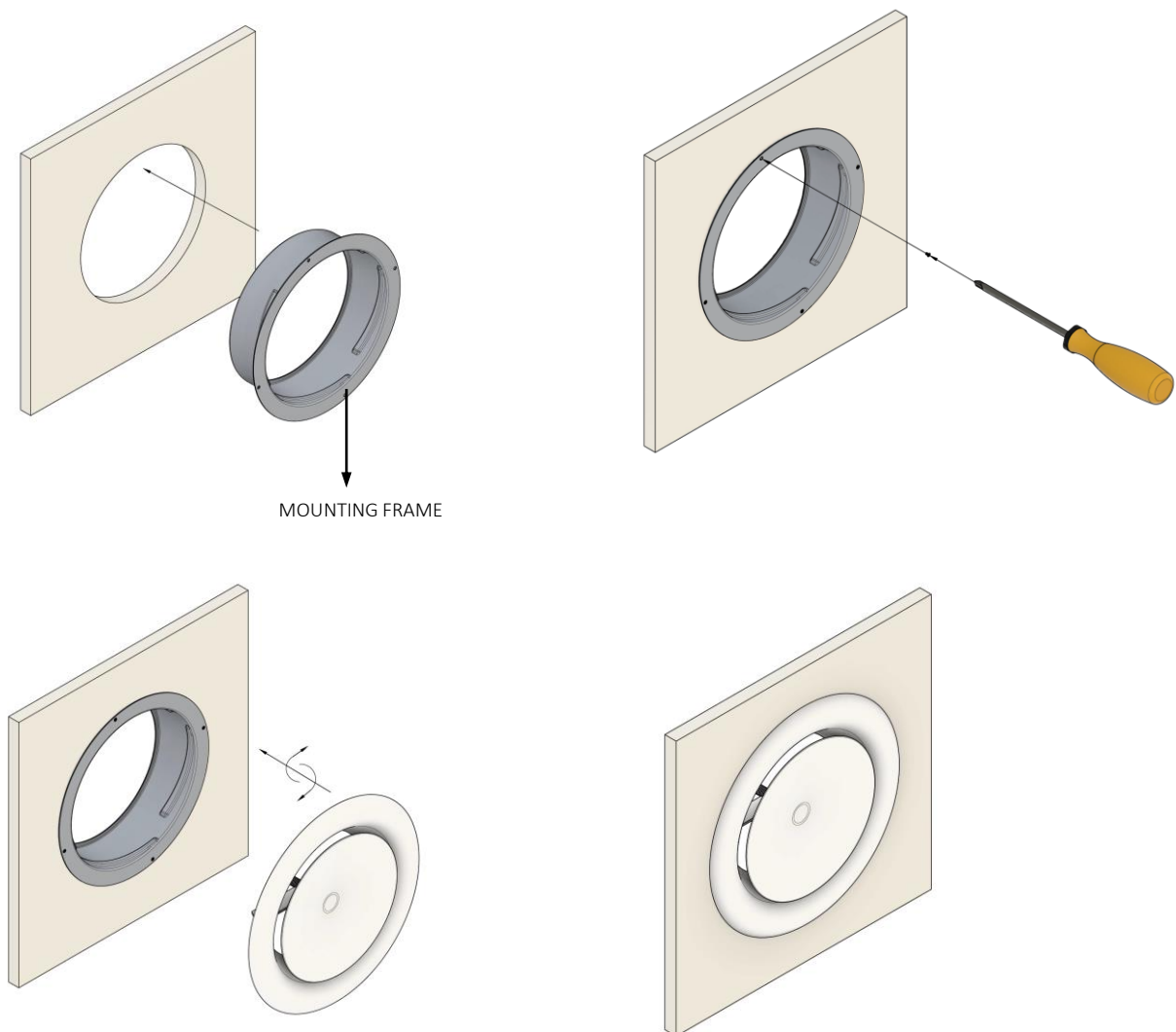
NR [dB (A)] - Noise level without room attenuation

ΔPt [Pa] - Pressure loss

Installation

The valve can be mounted in the ceiling or wall.

The valve is fixed by means of the mounting frame.



Order code

Example on how to place an order

	Type	Diameter	Finish
SV	100, 125, 150, 160, 200 mm		RAL 9016
	RAL.. - Other RAL colours on request		