AIRFLOW AC

DISC VALVE

Type SCV & EDV

Airflow AC Middle East FZE-LLC

Email:- Airflowacme@gmail.com,www.airflowac.me,00971509293811

Model EDV Exhaust Air Valve

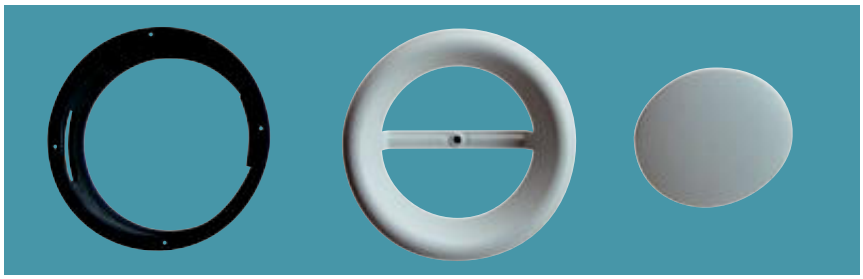
Air valves offer a simple yet effective means of providing supply and extract air for most commercial, industrial and domestic ventilation applications. The Models EDV, SCV are typically installed in Hotels, Flats, Apartments, Halls of Residence and Hospitals.

Model SCV Supply Air Valve

The Model EDV has a convex inner cone for use on exhaust systems, whilst the Model SCV has a concave inner cone for use on supply systems, both are supplied with a steel fixing collar. Adjustment of the airflow rate is obtained by rotating the inner cone either inward or outward. Once the required setting is achieved the inner cone is held in place by use of an integral locknut.

Model EDV-1 Exhaust Air Valve

Model EDV-1



Mounting Ring | Valve Seat | Inner Cone

Description

Model EDV-1 is a circular exhaust air valve constructed in three sections, a convex inner cone, an outer valve seat having a foam gasket and a mounting ring. It is suitable for installation either in a duct, wall or ceiling. The 50mm mounting ring is provided for fixing into a duct or structural opening using screws (by others). Once the mounting ring is fixed into position, the valve seat should be rotated to engage the cross bar onto the flange grooves in the mounting ring. This retains the valve seat onto the mounting ring and compresses the foam gasket to create an airtight seal. The central bolt on the inner cone is located into the cross bar and turned clockwise to the desired position. Regulation of the airflow is carried out, by simply rotating the inner cone clockwise or anti-clockwise until the required air volume is obtained.

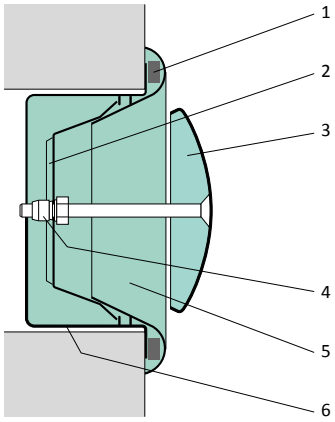
Specification

Construction
All main components from Pressed Steel with foam gasket seal.

Installation
Screw fixing (by others).

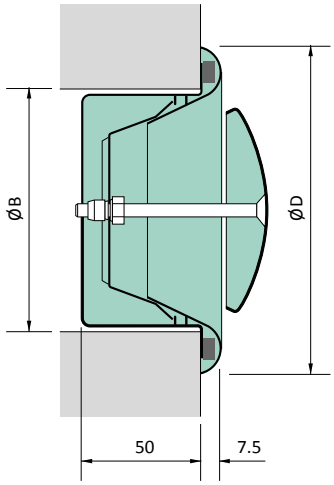
Colour Finish
White RAL9010 (20% gloss) polyester powder coat.

Component Parts



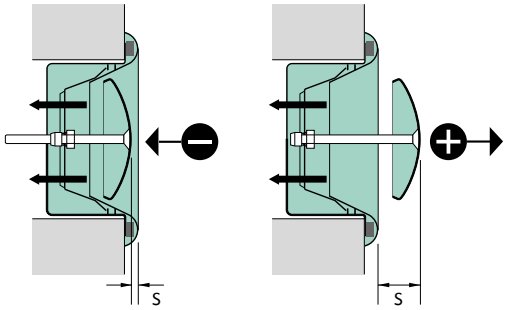
1. Foam Gasket
2. Cross Bar
3. Inner Cone
4. Locknut
5. Valve Seat
6. Mounting Ring.

Dimensions



Size	ØB	ØD
100	100	139
125	125	160
150	150	192
160	160	196
200	200	232

Air Flow Regulation

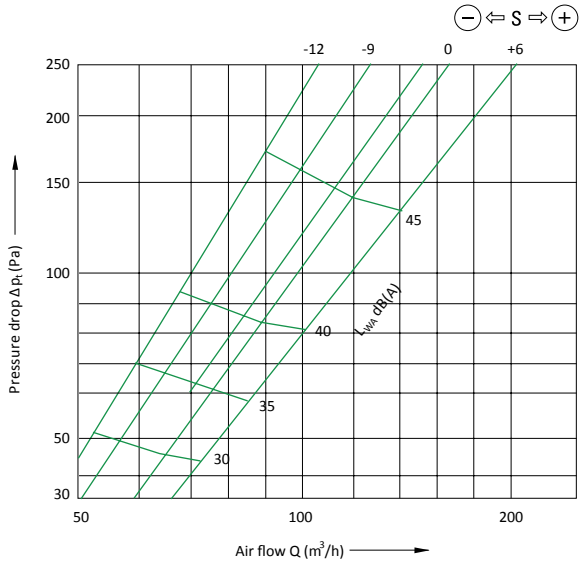


Air flow regulation:
Adjust the air volume by rotating the valve disc in plus or minus direction.

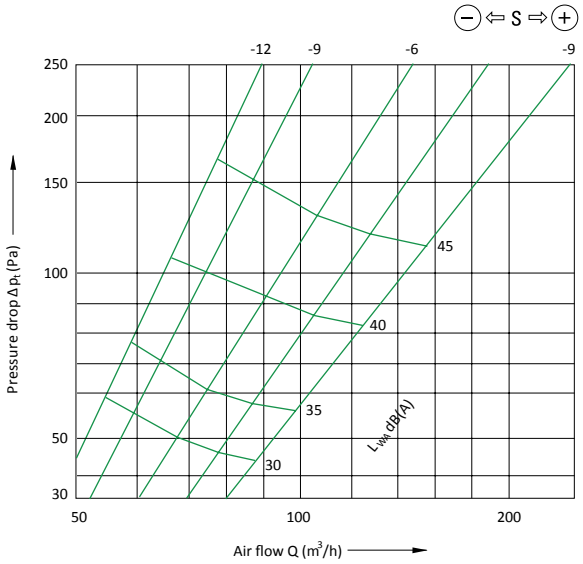
⊖ ⇐ S ⇒ ⊕

s (mm). See Selection Tables on page 5 for details.

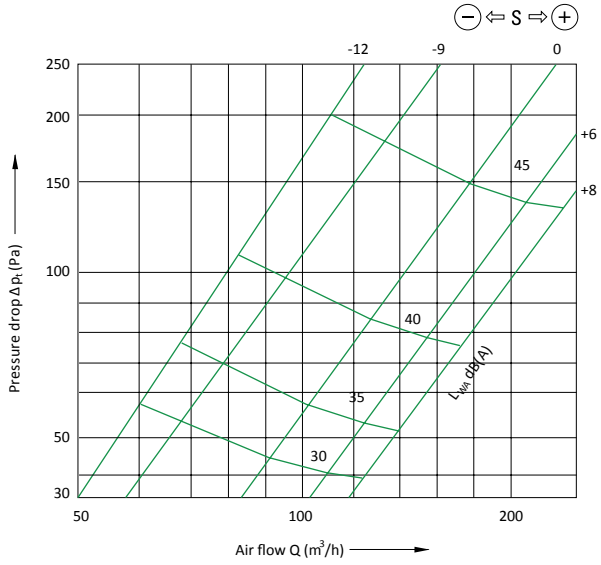
EDV Size 100



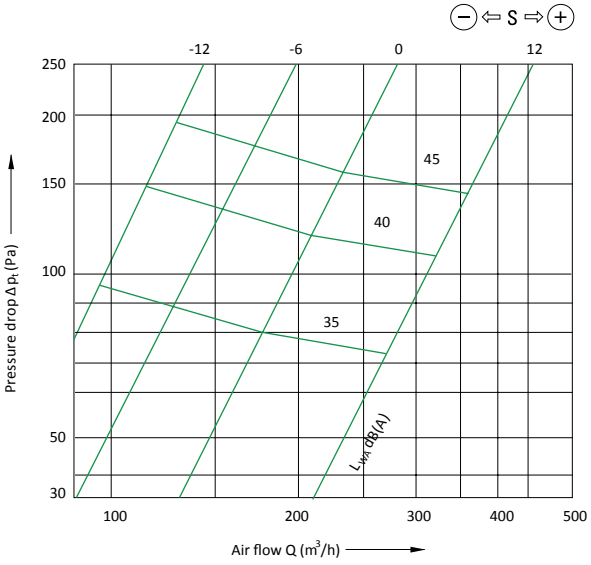
EDV Size 125



EDV Size 150, 160



EDV Size 150, 160



Example

Use the air flow volume air flow Q(m^3/h) and pressure drop over the valve ΔP_t (Pa) to determine the valve set-up s(mm) - using the positive negative direction.

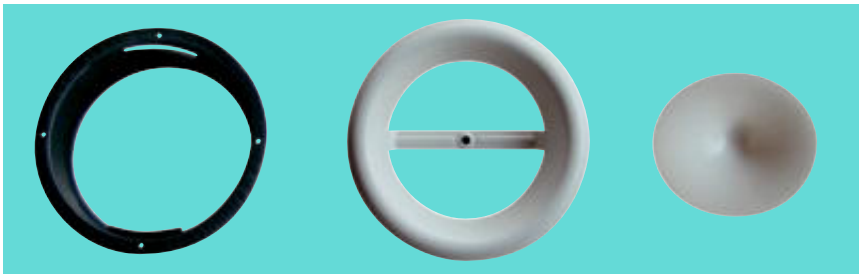
Given data: Q = 70m^3/h ΔP_t = 60 Pa

Sizing diagram at the value 100 gives the value set-up s = 3mm.

Q(m^3/h)	Air flow
ΔP_t (Pa)	Pressure Drop
L_{WA} dB(A)	Sound power level.

Model SCV - Supply Air Valve

Model SCV



Mounting Ring | Valve Seat | Inner Cone

Description
Model SCV is a circular supply air valve constructed in three sections, a concave inner cone, an outer valve seat having a foam gasket and a mounting ring. It is suitable for installation either in a duct, wall or ceiling. The 50mm mounting ring is provided for fixing into a duct or structural opening using screws (by others). Once the mounting ring is fixed into position, the valve seat should be rotated to engage the cross bar onto the flange grooves in the mounting ring. This retains the valve seat onto the mounting ring and compresses the foam gasket to create an airtight seal. The central bolt on the inner cone is located into the cross bar and turned clockwise to the desired position. Regulation of the airflow is carried out, by simply rotating the inner cone clockwise or anti-clockwise until the required air volume is obtained.

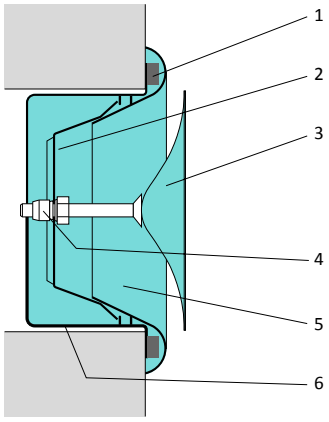
Specification

Construction
All main components from Pressed Steel with foam gasket seal.

Installation
Screw fixing (by others)

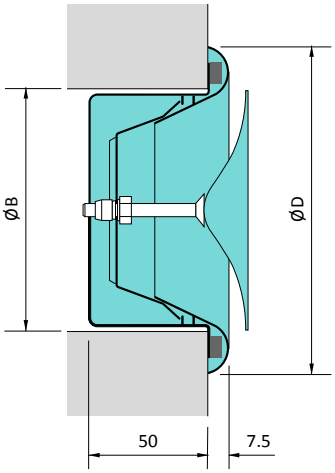
Colour Finish
White RAL9010 (20% gloss) polyester powder coat

Component Parts



1. Foam Gasket
2. Cross Bar
3. Inner Cone
4. Locknut
5. Valve Seat
6. Mounting Ring.

Dimensions



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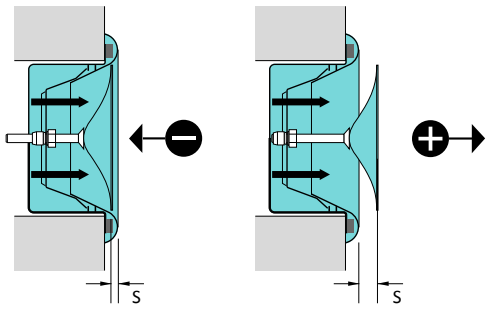
Air Flow Regulation



Air flow regulation:
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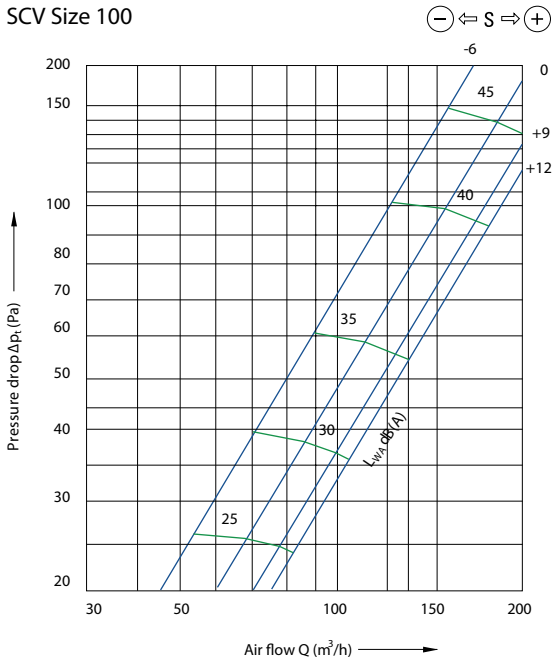
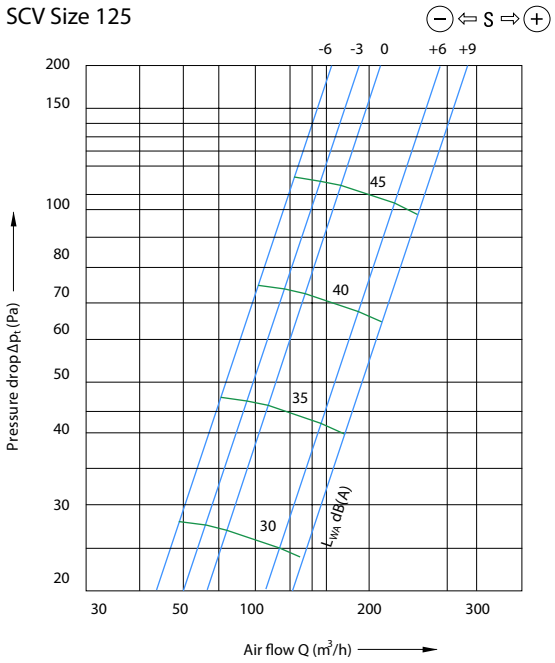
⊖ ⇐ S ⇒ ⊕

s (mm). See Selection Tables on page 7 for details.

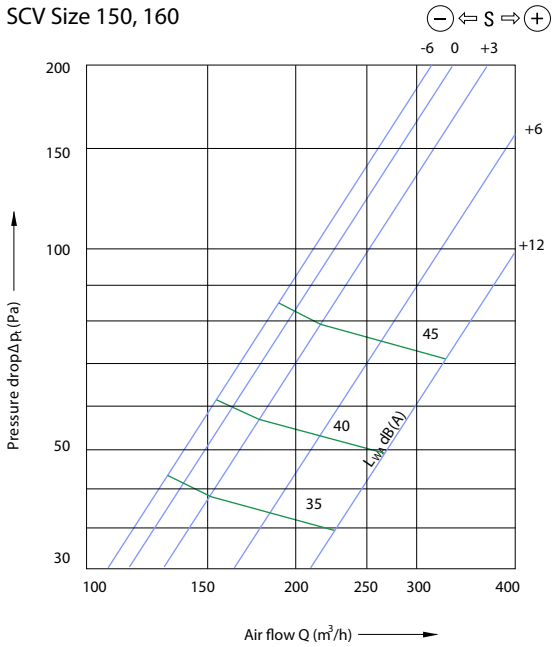
SCV Size 100



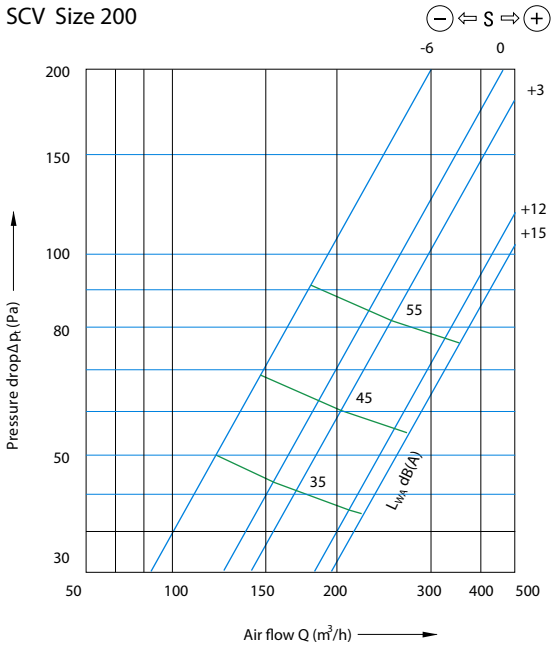
SCV Size 125



SCV Size 150, 160



SCV Size 200



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