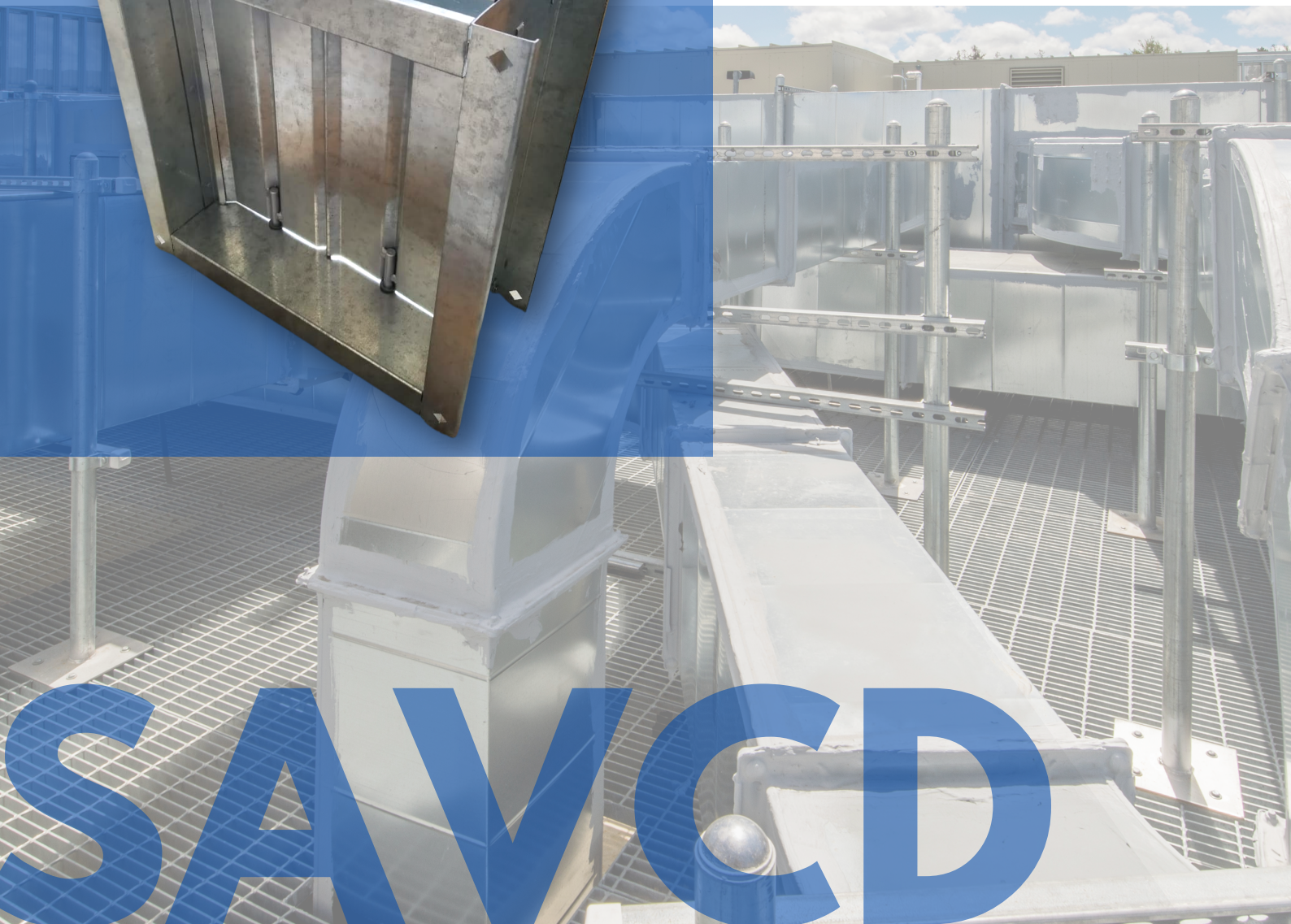


VOLUME CONTROL DAMPERS-MANUALLY OPERATED

SAVCD SERIES FLANGE TYPE VCDS

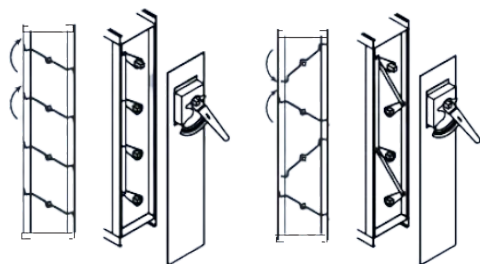


SAGAR AIR PVT. LTD.



VOLUME CONTROL DAMPERS - SAVCD Series

Blade Operation :



P - Parallel
Blade
Operation

O - Opposed
Blade
Operation

Blade Styles :



3V Blades
GI / SS

Aerofoil Blades
Aluminium

Flange Options :



Handle Operator Options :



ST

QD

Linkage Options :



Mechanical
Link Type

Gear Link
Type OPBS

SAVCD range of Volume Control Dampers are particularly suitable for use with air handling units and for air control within the ductwork systems where high air velocities and pressures are encountered.

The dampers are available in various constructions, sizes, and mode of operations

MODE OF OPERATION :

(P) Parallel Blade Operation: In this type of operation, All the blades move in the same direction parallel to each other. This is typically suitable for only two positions - open and close.

(O) Opposed Blade Operation: In this type of operation, the alternate blades move in the same direction and are parallel to each other. Opposed blade configuration is usually used in applications where modulating airflow is necessary.

BLADE STYLES :

(3V) 3V- Single Skin Blades: These single skin blades are constructed using GI / SS which includes three longitudinal grooves. These blades are designed to sustain low to medium air velocities.

(AF) Aerofoil Blades: These are double skin extruded aluminum hollow blades with superior strength offering lower resistance to incoming airflows. These are used in medium to high-velocity applications

FLANGE OPTIONS :

(A) 25 MM (B) 30 MM (TDF) TDF Flange
(CU) Custom flange upto 40 MM

HANDLE OPERATOR TYPE :

(ST) : Standard Handle Stick type
(QD) : Quadrant Handle

LINKAGE TYPES :

(ML) : Mechanical Link type
(GR) : Gear Operator Type (Only Opposed Blade Type)

Features



Rigid and Sturdy design



Can be constructed in GI/SS/AL etc



Available in various sizes and orientations



Provision for Actuator Control can be provided as an option.

SAVCD - 3V Series

Flange Type

Blade : 3V Single Skin

Construction : GI

Type : Rectangular/Square

Blade Operation: P/O/GR

Application : Normal

SAVCD-3V Series VCDs are available in square or rectangular sizes which are designed to sustain medium to high air pressures at low leakages.

Standard Specifications

- GI Sheet construction low leakage volume control damper with flat Vee type opposed blade operation, 20G GI blade 100mm wide 18G GI frame 120mm wide, Chrome Plated steel spindle, self-lubricating sintered bronze bushes.
- Linkage fully enclosed, complete with GI Handle operation and status indicator lockable in closed/open position, the linkage system shall be made from GI flats A partition is provided for damper having 1200mm width and above, two handles are provided on either side for operation.

Options

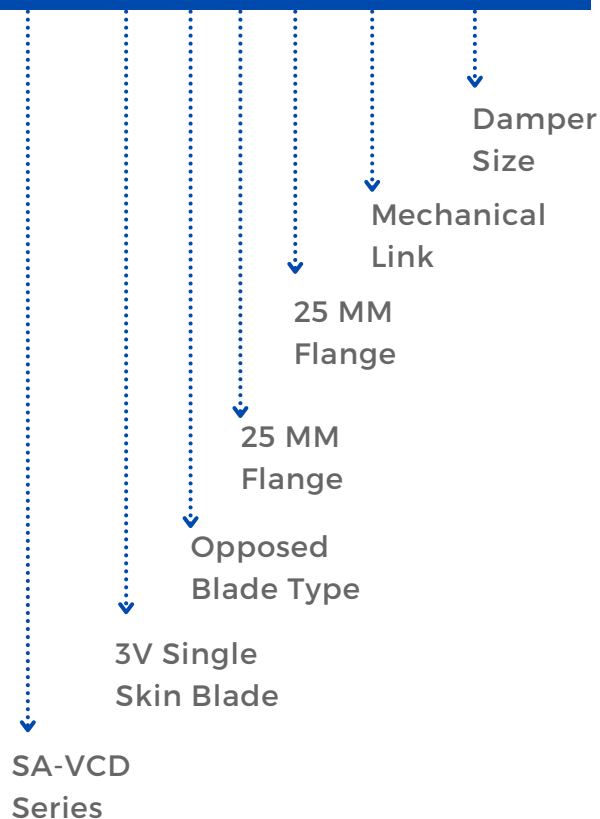
- **Damper widths** : 150mm
 - **Flange**: Custom size available
 - **Flange**: TDF
 - **Mounting**: Motorised
 - **Construction**: Optional SS - 20G, 18G, 16G, 14G Available
 - **Finish**: Epoxy Powder coated
- Dampers with TDF flange also can be provided, which gives easy and fast mounting for TDF ducts.

VCD - MANUALLY OPERATED SAVCD-3V Series



Ordering Nomenclature :

SAVCD - 3V - O - A - ST - ML - 800X600



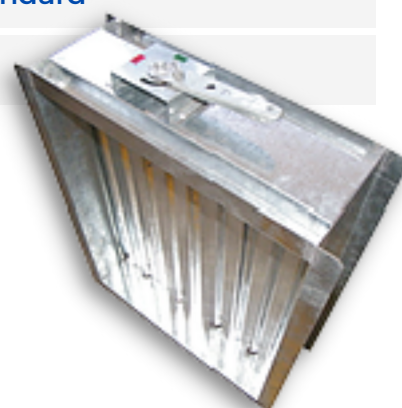
VCD - MANUALLY OPERATED

SAVCD-3V Series

Technical Data

SAVCD-3V Series : Non Motorized - Flange
Type - non TDF

Description	Detail
Make	M/s. Sagar Air Pvt Ltd
Size (WXH)	Min. Size : 100 mm X 100 mm Max. Size : 2000 mm X 2000 mm
Model	SAVCD-3V-ML
Type of Damper	Non motorized (Manually Operated)
Flange Type and Size	Standard Flange with 25 mm. 30 mm / 40 mm available on request
Damper Width	125 mm / 150 mm Standard.
Casing	18 G (1.2 mm) Galvanized Iron Sheet
Linkage & Handle Details	Linkage : MS/GI 2 mm / 3 mm Handle Thickness : Die-formed 1.2 mm with indicator
Blades	20 G (1 mm) Galvanized Iron Sheet
Spindle	Round 8 mm / 10 mm
Bushes	Nylon bush - 8 mm / 10 mm
Type of Operation	Opposed Blade Type as standard
Fixing	Duct Mounting





SA-VCD-3V-ML Series
25 mm Flange



SAGAR AIR PVT. LTD.

VCD - MANUALLY OPERATED SAVCD-3V-TDF Series

Technical Data

SAVCD-3V-TDF Series : Non
Motorized - Flange Type -TDF

Description	Detail
Make	M/s. Sagar Air Pvt Ltd
Size (WXH)	Min. Size : 100 mm X 100 mm Max. Size : 2000 mm X 2000 mm
Model	SAVCD-3V-TDF-ML
Type of Damper	Non motorized (Manually Operated)
Flange Type and Size	Standard 35 mm Flange suitable for TDF mounting
Damper Width	125 mm / 150 mm Standard.
Casing	18 G (1.2 mm) Galvanized Iron Sheet
Linkage & Handle Details	Linkage : MS/GI 2 mm / 3 mm Handle Thickness : Die-formed 1.2 mm with indicator
Blades	20 G (1 mm) Galvanized Iron Sheet
Spindle	Round 8 mm / 10 mm
Bushes	Nylon bush - 8 mm / 10 mm
Type of Operation	Opposed Blade Type as standard
Fixing	Duct Mounting





SA-VCD-3V-TDF-ML Series
35 mm Flange



SAGAR AIR PVT. LTD.

VCD - NON MOTORISED

SAVCD-AL Series

Technical Data

SAVCD-AL Series : Non-Motorized
- Flange Type

Description	Detail
Make	M/s. Sagar Air Pvt Ltd
Size (WXH)	Min. Size : 100 mm X 100 mm Max. Size : 1200 mm X 1200 mm
Model	SAVCD-AL-NM
Type of Damper	Non motorized (Manually Operated)
Flange Type and Size	Standard Flange with 40 mm.
Damper Width	110 mm as standard
Casing	Extruded Aluminum profile 2 mm
Linkage & Handle Details	Nylon Gear Operation Handle Thickness: Die-formed 1.2 mm with indicator (QUADRANT TYPE HANDLE)
Blades	Aero foil Blades - Extruded Aluminum 1.5 mm
Spindle	Square 12.7 mm
Bushes	Nylon bush 12.7 mm
Type of Operation	Opposed Blade Type as standard
Fixing	Duct Mounting



SA-VCD-AL-ML Series
40 mm Flange



SAGAR AIR PVT. LTD.



SAGAR AIR PVT. LTD.

Sagar Air Pvt Ltd

Add:Plot No.96-97, IDA Uppal, Hyderabad,
Telangana, India

Contact us at : +91 7093333687/9

Email us : sales@sagarair.com

Visit us : www.sagarair.com

