



## VOLUM CONTROL DAMPER

VDM

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The Power of  
**EXPERIENCE**



INTRODUCTION

## INTRODUCTION

Expert Middle East is one of the top leaders in HVAC system instruments fabrication, established in 2015.

Certified by ISO 9001, & ISO 14005, Along our successful & progressive journey, we strive to be the integrated service provider of HVAC system equipment in the Middle East by supplying (AHUs, FCU, Condensing units, package DX units, air outlets, air ducts, and air curtains ... etc.)

Also, by our extension through our major projects in Qatar, Oman.

And we will continue, with full commitment to providing customer focused and professional services.

## Our Vision



Our vision is to become the top HVAC equipment fabrication company in the Middle East that positively impact society's lifestyle quality through our continuous innovation delivered by our skilled professional to make our customers delighted.



## Our Mission



by providing Quality in every single material used by considering every customer as a priority by helping our market increase the return of building investment

## Our Values



01

**Customer delight:**

we do it perfect, fast and save cost.

02

**Priority:**

we believe in saying no to thousands, to deliver unbelievable response to you.

03

**Continuous improvement:**

we always up to date on new trends, technologies & customer needs related to our industry

04

**Competitive price:**

we focus on selling value not to only profit, so our prices always fair.

05

**Professionalism:**

we proudly have the technical knowledge leaders through all our organization.

06

**Integrity:**

We expect to be always honest with ourselves first, then our employees and our customers.

# VOLUME DAMPER

## VCD



## Description

Volume control dampers are primarily used in ventilation systems for volume flow and pressure control.

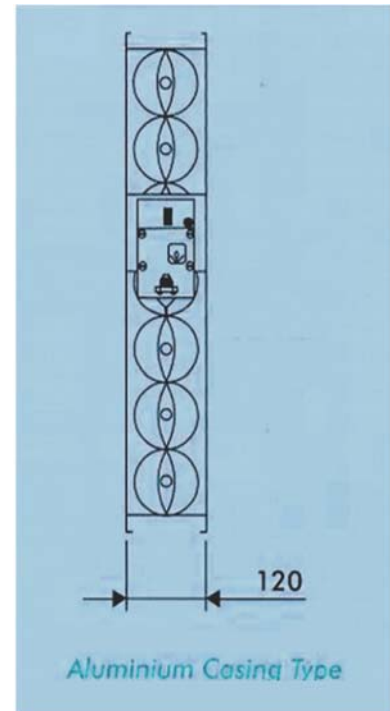
The aero foil section blades are coupled by external linkage, which is opposed blade operation via gears. The dampers can be fitted with hand locking quadrant or can be power operated by pneumatic or electric actuator.



## Constraction

Casing and Blades made from aluminum extruded Sections

Bearing seal achieved using a plastic elastomer on rear of gears between case and gear



## Materials and painting

Blades and casing are made of specially extruded aluminum profile. Gear mechanism is used other for blade operation. Galvanized and stainless steel volume control damper is optional upon request.

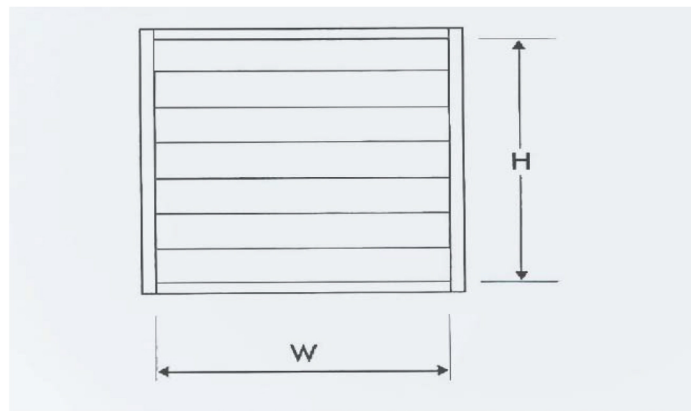
Standard casing and blades are produced from natural anodized aluminum profile.

## Installation

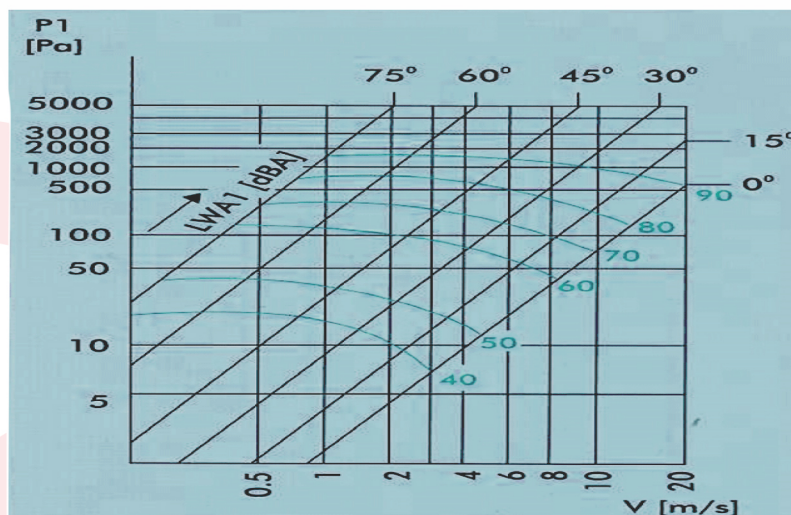
VDM type fixing with bolt.

## Standard Sizes

| w(mm) | 150 | 200 | 300 | 400 | 500 | 600 | 700 | 800 | 900 | 1000 |
|-------|-----|-----|-----|-----|-----|-----|-----|-----|-----|------|
| H(mm) | 100 | 200 | 300 | 400 | 500 | 600 | 700 | 800 | 900 | 1000 |



## Sound power levels and pressure loss







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