



## Airwellcare HVAC Systems FZE

### Contact US

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## About US



[www.airwellcare.com](http://www.airwellcare.com)



**Our Vision**

One of the best market leader in manufacturing of Central Air Distribution Products for HVAC System, through which, each and every significant project of the region, experiencing the highest level of our professionalism, growth, strength, commitments, quality, honesty and fairness in our relationships to our valued professional associates.



**Our Mission**

To build up Confidence & Reliability, satisfaction & excellent corporate affiliation with our valued customers, providing highest ethical and quality standards in all aspects of our activity.

**Who we are ...**

Airwellcare HVAC Systems FZE is an ISO 9001 : 2008 accredited organization and a fast growing Central Air Distribution products (HVAC) manufacturing company, having wide variety of product ranges such as Dampers, Sound Attenuators, Acoustic Barriers, Acoustic Louvers, Variable Air Volumes and Air outlets for HVAC System. Refer to our Product Ranges cited on the profile.



**What we do ...**

We are engaged in Design, Development, Manufacture and Sales of Central Air Distribution Products for HVAC Duct & Ductless Systems in Construction, Industrial, Commercial, Offshore and Onshore Applications. We keep an open mind to the requirements, ideas and concepts of our clients and end users with a final tailor made solution.

**Where we do ...**

Our Factory is located in Sharjah at Hamriyah Free Zone, Phase-II, Logistic Village. Our plant and machinery are well equipped with latest state-of-the-art technology with a total production capacity of 1.5 – 2.0 M. Per month, to cater to the requirements of HVAC Industry in local as well as International markets.



**Our Corporate Objective ...**

To remain competitive in the market, ensuring long term growth and stability by accomplishing 100% customer satisfaction through our esteemed customer relationships. To become one of the market leader in manufacturing and fostering the best quality standards & practice, in compliance with local & international guidelines & regulations. We recognize and seize opportunities for growth that builds upon our strengths and competencies.



**The strategic commitments that we execute...**

Our commitment to operating excellence guides everything we do it and always will. Continuous improvement in respect to manufacturing, design, safety, functionality, delivery, cost-efficiency and quality is a fundamental requirement for our company and employees, which enables customer satisfaction.



**Your gateway to tranquility & success ...**

Our success is primarily attributed to the contributions of our talented skilled and engineering workforce over which, we delighted to get outstanding productivity. We provide a great place to work, where employees can reach their fullest potential, thrive on delivering results and create shareholder value through individual, team and organization success. We foster an achievement-based culture that drives accountability and meritocracy while investing in learning and development.



**The Team of Technical Expertise who performs ...**

With the qualified and experienced team of Engineers in design and development, we are focused on complete R&D, to generate a new and modified custom based tailored solution and support for Central Air Distribution products for HVAC Duct & ductless systems.



**The Quality that we deliver ...**

Being an ISO 9001 : 2008 Organization, our Quality policies are firmly applied, observed and stringently uncompromised, through continual improvement in respect to manufacturing, design, safety, functionality, delivery, cost-efficiency and quality.



**The Commitment that we honour ...**

Ensure timely delivery of products & services with an excellent response time to meet our Customer's requirement and their satisfaction is one of our prime slogan.



**The Assurance that we undertake ...**

We strive to exceed the Customer satisfaction by respond promptly, courteously and efficiently at all times. Keeping industry trends and client requirements in mind, we seek to continually innovate in a pursuit for better customer satisfaction.





# Our Product Ranges

## Louvers



### Acoustic Louver

Airwellcare Acoustic Louvers can produce a highly engineered solution to your unwanted noise problem and any noise control issue. Acoustic Louvers are constructed of customized options in galvanized steel or high quality Aluminium with variety of finishes, to meet the Architecture and project requirements.

It is designed and manufactured in compliance with international standards, to achieve the optimum results through Acoustic Louver Software Selection Method supported by our Acoustic Engineering Consultant.

Model	Frame	Blade
ASB 100/150/200/250 & 300 AL (Single Bank) ADB 300 AL (Double Bank) / ADB-I 300 AL (Double Bank Industrial Type) ADB 600 AL (Double Bank) High Performance Louver.	1.2mm / 1.5mm / 2.00 mm Thick Aluminium & 1.2mm / 1.5mm / 2.00mm Thick Galvanized Steel (Optional)	1.00/1.2/1.5 mm Thick Alum. & 1.00/1.2/1.5 mm Thick Gal. Steel (Optional)



### Sand Trap Louver

Sand Trap Louvers are designed and manufactured in compliance with international standards, to achieve the optimum results. These louvers are manufactured from high quality extruded Aluminium profiles conforms to 6063-T5, ADC 1602 standard and DW 142 class C.

It is specially designed to ensure required air flow to the buildings / equipments, preventing the ingress of dust, airborne sand etc. Each units are designed and tested to withstand the most arduous weather conditions over many years, giving maximum protection by standard RAL Colour custom finishes.

Model	Frame	Blade
AHS SL 100 / 200 / 300	1.2/1.5/2.00 mm Thick Extruded Aluminium 1.2/1.5/2.00 mm Thick Galvanized Steel (Optional)	1.2/1.5/2.0 mm Thick Extruded Aluminium 1.00mm/1.2mm/1.5 mm Thick Galvanized Steel (Optional)

### Stationary Louver

Airwellcare Non Drainable Stationery Louvers are designed and engineered to meet the most demanding specifications and applications with an architectural & artistic appealing while providing superior performance

- With primary 12mm or 25mm Thick. Aluminium filters.
- Combination with Volume Control Damper.

Aluminium, Galvanized or Stainless Steel Louver Screens are fabricated and fastened to ensure the highest product quality and durability. Standard Screen Size: 12 x 12 x 1.0mm thick galvanized steel.

Model	Frame	Blade
AHS WL 400 A/AHS WL 400 G	1.2/1.5/2.00 mm Thick Extruded Aluminium 1.2/1.5/2.00 mm Thick Galvanized Steel (Optional)	1.00/1.2/1.5/2.0 mm Thick Extruded Aluminium 1.00mm/1.2mm/1.5 mm Thick Galvanized Steel (Optional)

# Our Product Ranges

## Louvers



### Storm Louver

Airwellcare Double Drainable Storm Louvers are designed and engineered to meet the most demanding specifications and applications with an architectural & artistic appealing while providing superior performance.

Aluminium, Galvanized or Stainless Steel Louver Screens are fabricated and fastened to ensure the highest product quality and durability. Standard Screen Size: 12 x 12 x 1.0mm thick galvanized steel.

Model	Frame	Blade
AHS 400 SL	2.00 mm Thick Extruded Aluminium	2.0 mm Thick Extruded Aluminium

## Dampers



### Curtain Type Fire Dampers & Motorized Fire Smoke Dampers

Airwellcare AFSD 100 is a combination fire and smoke damper designed with the lowest pressure drop that provides point-of origin fire containment and operational flexibility in static and dynamic smoke management systems. ASFD100 may be installed vertically in walls or horizontally in concrete floors and has been qualified to 2,000 fpm and 4" w.g. on all sizes and 3,000 fpm and 4" w.g. on select sizes.



### Motorized Fire Smoke Dampers (UL 555 S)

**Model:** AFSD 100  
**Frame:** 5" x 16 guage (125 x 25mm) galvanized, hat-shaped channel.  
**Blades:** 16 guage (1.5mm) Single skin, single piece Galvanized steel construction.  
**Bearings:** Fire Resistant brass bush pressed into frame.  
**Jamb Seals:** Stainless steel, flexible metal compression type.  
**Fire Rating:** 3Hrs. (4 Hrs.) Fire rated construction.  
**Blade Seals:** Silicone edge type for smoke seal to 450°F (232°C) and galvanized steel for flame seal to 1900°F (1038°C).  
**Linkage:** Concealed in frame.  
**Controlled Closure Device (Heat-actuated):** 165°F (74°C) standard. 212°F (100°C), 250°F (121°C), 285°F (141°C) PFL only, or 350°F (177°C).

### Curtain Type Fire Dampers (UL 555)

#### STANDARD CONSTRUCTION

**Model:** AFD 100  
**Frame:** 18 g (1.16mm) roll formed galvanized steel Uchannel.  
**Blades:** 22 g (0.76mm) roll formed galvanized steel of formed section.  
**Fusible Link:** The fusible link is rated at 72°C (165.F).  
**Blade Ramp:** 16 g Galvanized steel locking mechanism.  
**Spring:** Stainless steel spring loaded.  
**Mounting:** Vertical or Horizontal mounting.  
**Fire Rating:** 1½ Hrs. (2 Hrs.) & 3Hrs. (4 Hrs.) Fire rated construction.  
**Finish:** Galvanized Mill Finish

### Volume Control Dampers



Airwellcare have comprehensive range and models of balancing dampers with maximum rigidity, cost-effective quality in Standard, Low Leakage, Ultra Low Leakage & Marine based Volume Control Dampers, to suit various HVAC Light, Medium and Heavy duty applications for Rectangular and round Ducts suitable for use in most low pressure and velocity commercial HVAC applications.



#### Rectungrar Type

Model	Frame	Blade
VD - S(Standard Construction) AVD - L(Low Leakage Dampers) AVD - LS(Stainless Steel Low Leakage Damper) AVD - U(Ultra Low Leakage Damper)	1.2/1.5/2.0 mm Thick Galvanized/Stainless Steel Frame above 1.2mm Thickness is optional	1.0 mm Thick. Galvanized/Stainless Steel 1.0mm Thick Aluminium Double Skin

#### Circular Type

Model	Frame	Blade
AVD - C AVD CR	1.2/1.5/2.0 mm Thick Galvanized/Stainless Steel Frame above 1.2mm Thickness is optional	1.0 mm Thick. Galvanized/Stainless Steel



## Our Product Ranges

### Dampers



#### Motorized Volume Damper

Airwellcare Motorized Volume Damper can be used to regulate the airflow, depending on the zone / area requirement, thus conserving the energy and substantial benefits and savings to the user as well facilitate to regulate overall comfort of the environment.

Airwellcare Low Leakage Motorized Volume Damper have excellent leakage rated performance. Its robust galvanized steel, Aluminium & Stainless Steel construction features with remarkable design makes perfect performance in medium and high Velocity and pressure applications.

Model	Frame	Blade
AMCL 100	1.2/1.5/2.0 mm Thick Galvanized/Stainless Steel Frame above 1.2mm Thickness is optional	1.0mm Thick Aluminium Double Skin, Aero Foil Type 1.0 mm Thick Galvanized Steel Single Skin

#### Electrical Actuator

Motorized Volume Dampers are supplied with suitable Electrical Actuators of 24 VAC to 230 VAC or 24 VDC. Types & Models of electrical actuators are damper size dependent.



#### Non Return Damper

Non Return Damper/ Pressure Relief Damper can be used in ventilation systems to allow airflow in one direction and prevent airflow in the opposite direction. A back draft damper is developed with an elevated and adjustable start-open pressure while providing the backdraft function

Model	Frame	Blade
AHS CW 100 AHS CW 200	1.00 mm Thick Galvanized Steel channel Frame above 1.2mm Thickness is optional	1.0mm Thick Aluminium Single Skin

### Sound Attenuator

#### Rectangular Straight line Attenuator



Rectangular Straight line Attenuator are suitable for sound attenuation transported through the duct from the noise source. Rectangular Straight line Attenuator are designed to reduce the noise level between two areas while still allowing the passage of air.

Airwellcare facilities for manufacturing of Attenuators are one of the key strengths of our business and enable us to produce high quality attenuator products at the lowest manufacturing costs in local & International markets. The processing speed through our factory also provides large production capacity and short lead times, which can be of significant benefit to our clients.

Model	Frame
AHS 75/100/150 RSA	1.0 mm Thick Galvanized Steel

#### Splitters

Splitters are made of 0.8mm Thick high quality Galvanized Perforated Sheets, which are internally insulated with acoustic fiberglass material. Splitters are formed to thickness options from 75 to 400mm wide centre splitters with different Airway area from 50mm to 250mm. The Attenuator shall be provided with Side Splitters.

## Our Product Ranges

### Sound Attenuator



#### Circular Sound Attenuators

A circular duct attenuator constructed from galvanized sheet steel, with a peripheral, out of air stream acoustic lining. Larger units also available with a central acoustic pod. End connections can either be spigots or end ring flanges with threaded inserts for direct connection to plant, such as axial flow fans, etc

Model	Frame
AHS 300 CSA	1.00 mm Thick Galvanized Steel

#### Flanges

Attenuators fitted with external galvanized steel end ring flanges suitable for direct connection to circular fans or flanged ducts

#### Square Bend Attenuators



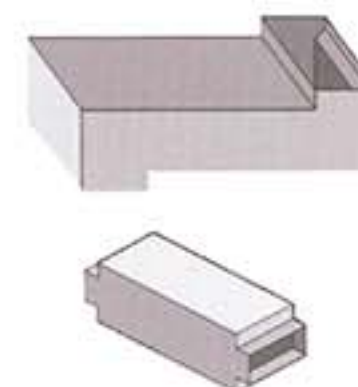
Square Bend Attenuators are used where space is limited. Square Bend Attenuator are designed to reduce the noise level between two areas while still allowing the passage of air.

Model	Frame
AHS 300 SBA	1.00 mm Thick Galvanized Steel

#### Splitters

Splitters are made of 0.8mm Thick high quality Galvanized Perforated Sheets, which are internally insulated with acoustic fiberglass material. Splitters are formed to thickness options from 75 to 400mm wide centre splitters with different Airway area from 50mm to 250mm. The Attenuator shall be provided with Side Splitters.

#### Crosstalk Attenuator



Crosstalk attenuators, specifically designed and tuned to suit all sorts of speech privacy situations. Crosstalk attenuators are used in ventilation ducts and assuming that air is supplied to two separate rooms and taking into account that the same duct supplies air to the rooms.

Model	Frame
AHS 400 CRA & AHS 400 CRB	1.00 mm Thick Galvanized Steel

#### Flanges

Casing provided with 30mm flanges as standard which will be sealed with High-pressure duct sealant.

### Variable Air Volume

#### Pressure Independent Variable Air Volume



Airwellcare Variable Air Volume (VAV) controller is an electronic device for digital control of single duct, dual duct, fan powered, and supply / ex-haust VAV terminal configurations. Airwellcare Pressure Independent VAV System controls the exact volume of primary air which flows to the occupied area by the help of an airflow measuring device on the VAV terminal. The VAVs can be widely used as a standalone controller or connected to a Network through our Network Control Module.

Model	Standard Construction Details
AHS 4, AHS 5, AHS 6, AHS 8, AHS 10, AHS 12, AHS 14, AHS 16 & AHS 18	<ul style="list-style-type: none"> <li>Casings are made of high quality Galvanized Sheet Steel of 1.0mm Thick.</li> <li>VAV Damper Shafts are made of 12mm Dia Round Solid Composite Steel shafts, which prevents condensation and breakage</li> <li>VAVs are provided with Sound Attenuators as an optional (upon request)</li> <li>Electric Duct Heater (Optional only)</li> </ul>



## Our Product Ranges

### Variable Air Volume



#### Bypass Type Variable Air Volume

Airwellcare Bypass Type Variable Air Volume (VAV) with controller is an electronic device for Single Duct VAV terminal configurations. As and when the primary Air Damper closes, the Bypass port Damper opens, through which the required volume of air is delivered to the conditioned zone, as demanded by the room Thermostat.

Model	Standard Construction Details
AHS 4, AHS 5, AHS 6, AHS 8, AHS 10, AHS 12, AHS 14, AHS 16 & AHS 18	<ul style="list-style-type: none"> <li>Casings are made of high quality Galvanized Sheet Steel of 1.0mm Thick.</li> <li>VAV Damper Shafts are made of 12mm Dia Round Solid Composite Steel shafts, which prevents condensation and breakage</li> <li>VAVs are provided with Sound Attenuator as an optional (upon request)</li> <li>Electric Duct Heater (Optional only)</li> </ul>

### Finned Tubular Electric Duct Heaters



Electric Duct Heaters shall be factory mounted to the terminal with the heating elements located upstream of the air-flow control damper to ensure uniform velocity profile over the elements. A power disconnect shall be furnished to render the heater non-operational. Heater shall be furnished with all controls necessary for safe operation and full compliance with UL 1996 and National Electric Code requirements.

Heater shall have a single point electrical connection. It shall include a primary disc type automatic reset high temperature limit, secondary high limit(s), airflow switch, Ni-Chrome elements, and fusing per UL and NEC. Heater shall have complete wiring diagram with label indicating power requirement and kw output.



Model: AHS DH 100

### Air Outlets

#### Square & Circular Diffusers



Airwellcare Square ceiling diffuser for flush mounting, suitable for horizontal discharge with 1 to 4 way discharge pattern face as required, with mitered perimeter border which has rear sealing strip, fixed air control blades, rear plenum box with side entry spigot with optional volume control damper.

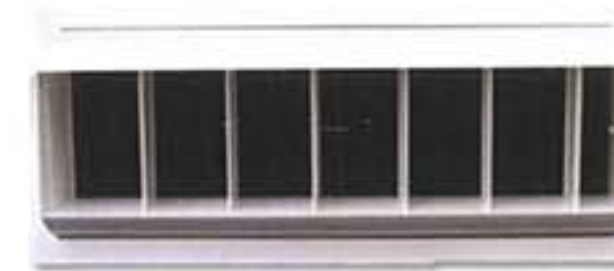
Airwellcare Circular multi-purpose diffuser designed to produce horizontal diffusion or vertical projection, for heating or spot cooling.



Model	Frame & Core	Model	Frame & Core
AWC CDS 4/AWC CDR 4	Frame and Core are constructed with a high quality extruded Aluminium profiles.	AWC CD	Frame and Core are constructed with a high quality extruded Aluminium sheets.

## Our Product Ranges

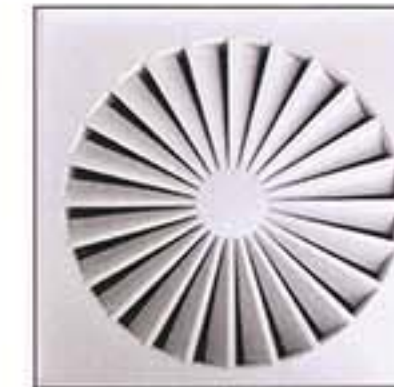
### Air Outlets



#### Drum Louver

Airwellcare supply drum louver shall be constructed with extruded aluminum frame and corners that are mitered and reinforced with aluminum chevrons by full penetration welds. The drum can be adjusted in the vertical direction 0° to 30° upwards or downwards to direct the throw on the desired direction. The drum shall be separated from the frame by utilizing felt gasketing material, which facilitates drum adjustment and minimizes vibration.

Model	Frame	Blade
AWC DL-1	1.2/1.5mm Thick Extruded Aluminium Profiles	Extruded Aluminium Adjustable blades

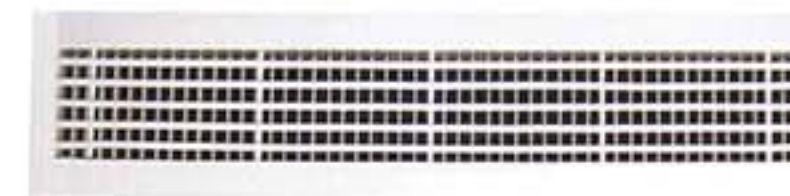


#### Swirl Diffuser

Airwellcare range of Swirl Diffusers are designed to produce swirling, turbulent throw for most useful in environments, where supplied and resident air need to be mixed quickly.

Model	Frame	Core
AHS 100 SWA	1.2/1.5mm Thick Aluminium	Fixed & Non Removable Core

#### Linear Bar Grill / Register (Single & Double Deflection, Curved & Straight)



Airwellcare Linear Bar Grill / register is made of High quality extruded aluminium profile with 30 mm flange width as standard. Face bar profiles of 0°, 15°-1 way throw and 15°-2 way throw. Bar Spacing of 12 mm as standard and 6 mm as optional. Grille width of 50 mm to 300 mm with increments of 50 mm. Linear Grill / Registers are comes with or without Volume Damper.

Model	Frame	Blade Pitch
AWC LBS/AWC LBR	Extruded Aluminium comprising 30mm Flange Width as Standard	Standard blade pitch is 12mm

#### Linear Bar Grill - Curved



Airwellcare Curved Supply & Return Air Linear Bar Grilles are available with a minimum radius of curvature of 1 Meter. Horizontal front face blades with deflection options of 0° & 15° Single way & Double way.

Model	Frame	Blade Pitch
AWC LBR	Extruded Aluminium comprising 30mm Flange Width as Standard	Standard blade pitch is 12mm



## Air Outlets

### Jet Diffuser ( Eye Jet Ball Diffuser)



Type A

Airwellcare Jet Diffusers can be used individually or in series to give a very high efficiency. The Jet Diffusers assembly panel can include up to four diffusers in series and can control up to four different zones. The nozzles are comprising of face circular mounting flange with aerodynamically shaped and formed.

The Jet Diffusers are made of high quality Aluminium

Model	JFD 10AE
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Eye Ball Jet Diffusers are available between 160mm to 400mm Dia.



Type B

### Floor Grill



Airwellcare Floor Grill structure is aesthetically constructed with face bars positioned rigidly with the frame.

### Egg Crate Grill



Airwellcare Egg Crate Grill are capable of handling huge air volumes with minimal noise generation or pressure drop.

Model	AWC FG
Frame	4mm heavy Gauge Extruded Aluminium Profile
Blade Pitch	High quality aluminium bars of 6mm Thick with 12mm Pitch

Model	AWC ECG-1
Frame	Extruded Aluminium comprising 30mm Flange Width as Standard. 12, 16 & 24mm Flange widths are optional.
Core	Aluminium Standard Core size of 1/2" x 1/2" x 1/2" (12.5mm x 12.5mm x 12.5mm)

### Linear Bar Registers



Airwellcare Linear Bar Register comes with horizontal front face blades with deflection options of 0° & 15° Single & Double way

Model	Frame	Blade Pitch
AWC LBSR	Extruded Aluminium comprising 30mm Flange Width as Standard	Standard blade pitch is 12mm

## Access Door

### Access Doors



Airwellcare Square and rectangular Access Doors are designed for duct works, access to dampers, duct cleaning inspection and maintenance purposes. Complies with the latest DW144 leakage specification

Model	AHS 100 AD
Frame	1.0/1.2 mm Thick Galvanized Steel

