

Since 1997

AJANTA™

An ISO Certified Company 9001 2008

AIR TERMINAL PRODUCT

Technology in Air & People

Clean Air Everywhere



| Grilles | Diffusers | Fire Dampers | Louvers | Attenuators |

Product Catalogue



About Us



Ajanta a "proud baby" of Mr. Abdul Karim was conceived in 1971 at Mumbai, Maharashtra. This unit has been actively involved and a leading member of the HVAC industry and has successfully engineered some of the most innovative and efficient air management projects.

On establishing its credentials in Maharashtra "AJANTA" extended its wings in Bangalore, Karnataka from 1994.

New blood was introduced into the system in the firm of Mr. Abdul Khalil S/o Mr. Abdul Karim to run this unit at Bangalore.

Ajanta our company member of ISHRAE, Bangalore, Mumbai.



ECO FRIENDLY
COOLING

Pioneering some of the most comprehensive products in Air management solutions our engineers through their vast experience and accredited training perfectly combine design and efficiency, constantly working towards reducing energy consumption whilst maximising system performances, Creating high performance technology that meets world-class safety standards.

Quality



Assured

Our dedicated teams of experts share the common practice of excellence at every convention. With a passion for perfection we regard quality as the corner stone of every development; testing and improving upon different aspects of every device and system to meet the most uncompromising standards.

Working closely in collaboration with architects, contractors and builders is one of the key assets we cherish from the core of our hearts along with the ideal of giving the best and always raising the bar of standards higher propelling us forward to achieve.

With rugged and clever designs the company continues to set new standards in AIR performance, safely and ventilation reliability, distinguishing itself with the cutting-edge features of its product line. Accelerated and standardized by some of the world's foremost standard organizations, providing the safety Air solution equipments for commercial, residential applications right from the cellar to the roof.

have a nice day

WELCOME TO THE WORLD OF AJANTA ENGINEERING WORKS



Introduction

Ajanta Engineering Works an ISO 9001-2008 accredited company started its manufacturing activity in the year 2013 at Ezekeil Industrial Estate. at about 10 KM on North of Bangalore City in small scale Industrial area with a built up area of 1 Unit 4000 Sft. building and 2 Unit 4000 Sft. building. The company has its own township with dormitory office and labour staff's accomadation on the same building.

The state of art factory premises with the latest facilities is a matter of pride for the company.

The management of Ajanta Engineering Works has a very sound financial background with a strong product knowledge and expertise the produce quality product in state environmental conditions. The Company derives its super strength form the dedicated team of Professional Engineers, Managers, and workers with hardworking, rich in experience and positive attitude.

Plant and Machinery:

Ajanta Engineering Works has a modern technology machine, in-house powder coating plant and tool room.

Have a nice day.

Vision

With the combination of new technologies & excellent workmanship, upgrading to international standards to ensure the highest quality standards.

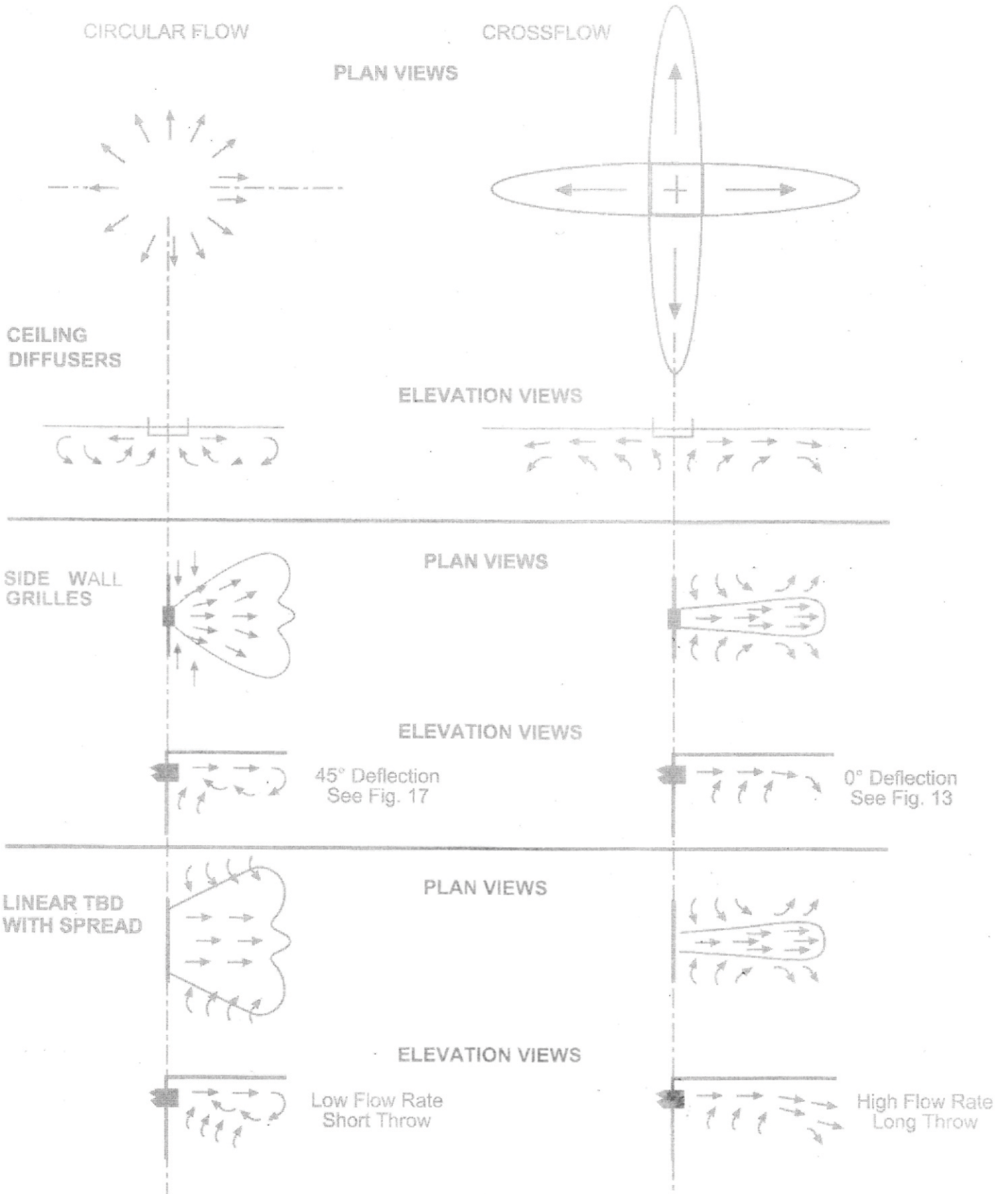
Mission

Our mission is to achieve complete customer satisfaction through a qualified, productive and continuously upgraded workforce. Ensure strict quality check and professional quality control parameters.



Member





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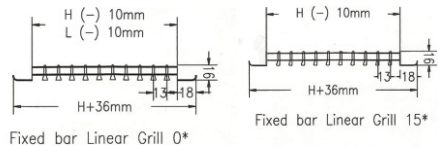
Product Range

- ❖ Linear Bar Grille
- ❖ Curved Grille
- ❖ Double Deflection Grille
- ❖ Egg Crate Grills
- ❖ Door Grille
- ❖ Floor Grille
- ❖ Ceiling Diffuser
- ❖ Plaque Diffuser
- ❖ Round Diffuser
- ❖ Linear Diffuser
- ❖ Slot Diffuser
- ❖ Jet Diffuser
- ❖ Curve Blade Diffuser
- ❖ Swirl Diffuser
- ❖ Drum Diffuser
- ❖ Laminar Flow Diffuser
- ❖ 3 Cone Diffuser
- ❖ Exhaust Valve
- ❖ Louvers
- ❖ Back Draft Damper
- ❖ Aero Foil Damper
- ❖ Butterfly Damper
- ❖ Volume Control Damper
- ❖ Fire Damper
- ❖ Collar Damper
- ❖ Sound Attenuator
- ❖ Risers
- ❖ Inline Fan
- ❖ Flexible Duct Connector
- ❖ Kitchen hood with grease filter

STATE OF ART POWDER

COATING PLANT

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Fixed bar Linear Grille 0*

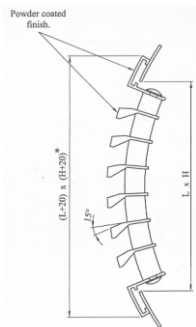
Fixed bar Linear Grille 15*

Linear Grille (Model: A-RS1)

- Features:**
- For Supply / Return / Exhaust Air
 - Fixed core linear bar grille with end flanges
 - Continuous for mounting on Wall / Ceiling
 - Suitable for mounting on the duct collar / ceiling / wall
 - Louvers available with 0°, 15°, 30°, 45°, deflection

Construction: Extruded Aluminum
Finish: Powder coated in customized color.

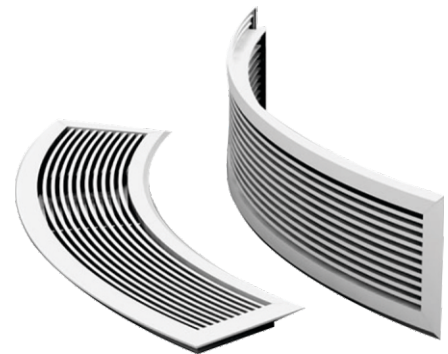
Available sizes: upto 3.5 RMT length of each grille



Curved Grille (Model: A-RWG1)

- Features:**
- For supply air fixed bar multi louvers grille for directly
 - mounting on the round duct or in the typical ceiling design.
 - Bars may be protruding either outwardly or inwardly depending upon the architectural requirement.

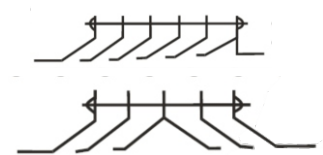
Construction: Extruded Aluminum
Finish: Powder coated in customized color.



Linear Diffuser (Model: A-RSD 1 & 2)

- Features:**
- Linear ceiling diffuser with fixed deflection
- Construction:** Extruded aluminum
Finish: Powder coated in customized requirement

Available: One way, Two way deflection

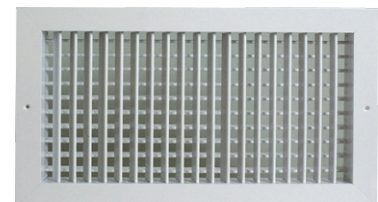
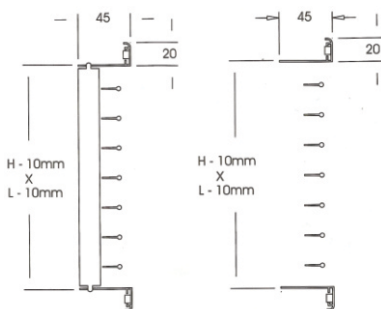


Double Deflection Adjustable Grille

(Model: A-HV, A-H)

- Features:**
- For Supply / Return / Exhaust Air
 - Horizontal and vertical louvers to adjust direction of flow
 - Suitable for mounting on the duct collar / ceiling / wall
 - Front / Rear louvers can be fixed / adjustable type.

Construction: Extruded Aluminum
Finish: Powder coated in customized color.

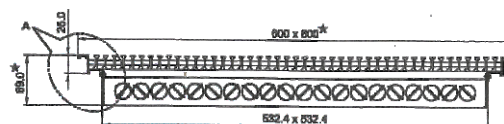


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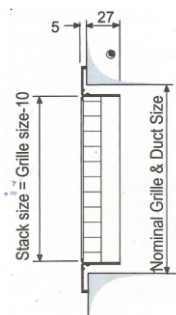
Floor Grille (Model: A-FLG 1 & 2)

Features:

- Underfloor air distribution systems used with precision air conditioners in computer rooms, server rooms and tele-communication centers require floor grilles for air supply to vital electronic equipment. Available with heavy duty fixed bars of extruded aluminum, perforated CRCA steel epoxy powder coated or stainless steel.
 - Module of aluminum 15°, 0° deflection
 - Tested for 2.3 ton breaking load
 - Opposed blade damper attached
- Construction:** Heavy duty Extrusion
Finish: Powder coated in customized color.



Available sizes: Outer - 600 mm x 600 mm, 600 mm x 800 mm



Egg Crate Grille (Model: A-ECG)

Features:

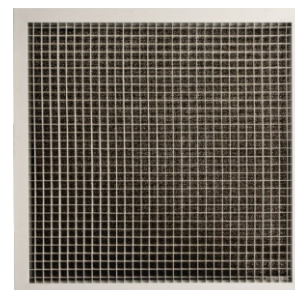
- Resembles ECG crate grille
- Sufficient free net area and return air collection grille
- Suitable for floor mounting application

Construction:

Finish:

Extruded Aluminum
 Powder coated in customized color.

Available sizes: Outer - 595 mm x 595 mm



Air Transfer Door Grille (Model: A-DGV)

Features:

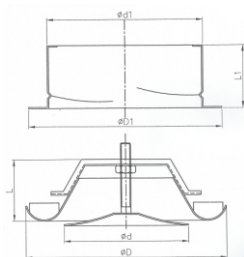
- For Return / Exhaust Air
- Inverted Vee-horizontal strip for non vision construction from privacy point of view
- 100% non vision-thus no visibility

Construction:

Finish:

Extruded Aluminum
 Powder coated in customized color.

Available: Double frame & single frame construction,



Exhaust Valve (Model: A-EDV)

Features:

- Exhaust air from toiletries to remove smell and suffocation

Construction:

Finish:

Heavy gauge MS or PVC die formed as an option
 MS Powder coated

Available sizes: Neck (mm) - 100, 150 Diameter

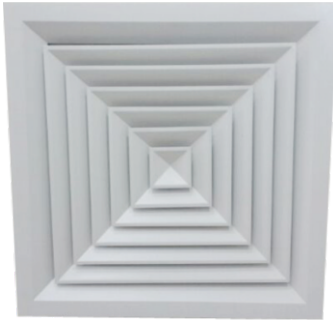


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Square / Rectangular Diffuser (Model: A-DC 1, 2)

Features:

- Multi pattern ceiling diffusers for draft free comfort
- Available in 1 / 2 / 3 or 4 way in Supply / Return air application.
- The frame may be ceiling flush or protruding type in any specific design be it V shaped or trapezoidal
- Suitable for mounting on duct collar / ceiling
- One piece joint less construction available upto 450 mm x 450 duct size
- Core is easily removable to facilitate damper adjustments
- **Grid size diffuser of this model can deliver only 600 to 700 CMH. It is only available in four way model.**



Construction:

Extruded Aluminum

Frame:

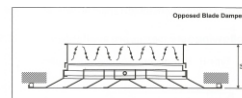
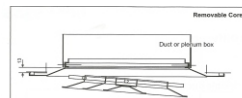
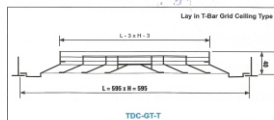
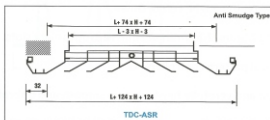
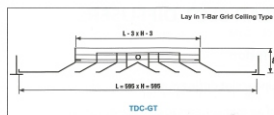
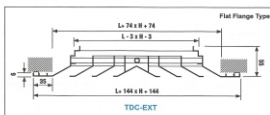
Available (TEGULAR)

Finish:

Powder coated in customized color.

Available sizes:
Damper

Neck (mm) - 225 x 225 | 300 x 300 | 375 x 375 | 450 x 450
Outer (mm) - 595 x 595
Opposed blade damper, Black Powder coated



Plaque Diffuser (Model: A-DCP 1 & 2)

Features:

- Plaque diffusers are the latest introduction
- Replaces 2 / 3 / 4 slots with a square plaque at the center
- Normally used in corridor or in the areas where direct throw is not recommended.

Construction:

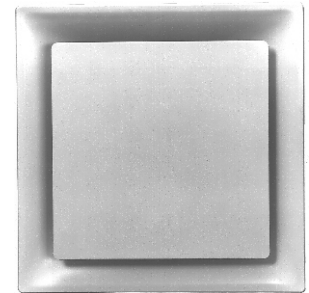
Heavy gauge aluminum sheet

Frame:

Available (TEGULAR)

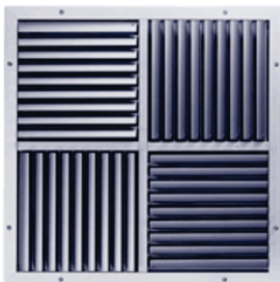
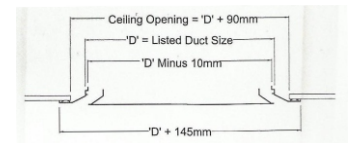
Finish:

Powder coated in customized colour



Available sizes:

Grid size diffuser of this model can deliver only 250 CMH. It is only available in plaque model.



Adjustable Curve Blade Diffuser (Model: A- CBD)

Features:

- Four way supply air distribution with adjustable curved louvers used in industrial applications with high air quantities and high ceilings.

Construction:

Extruded Aluminum

Finish:

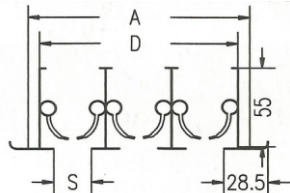
Powder coated in customized colour



Available sizes:

Neck (mm) - 595 x 595

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Slot Diffuser (Model: A-DS 1 & 2)

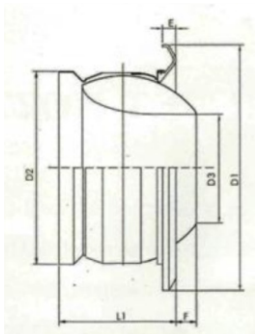
- Features:**
- For supply / Return air-both in horizontal & vertical flow in each slot individually
 - Not recommended for direct throw application
 - Suitable for mounting on duct collars / ceiling
 - Hit & Miss dampers are available as an option
 - Plenum is made of galvanized sheet steel and internal insulation (acoustic lining) is of mineral fibre are optional.
- Construction:** Extruded aluminum
- Finish:** Powder coated in customized requirement

Available in:

3 different slot widths, from 1 through 8 slots, modulinear diffusers permit complete control of flow rate without disturbing the selected air pattern.

Jet Nozzle (Model: A-ED)

- Features:**
- Eye ball jet nozzle can be adjusted towards upside / downside or side ways to attain desired draft with low noise level
 - Jet nozzle are aerodynamically designed & can be conveniently used in spaced like theaters, airport and shopping malls
- Construction:** High Quality Aluminum
- Finish:** Powder coated in customized colour

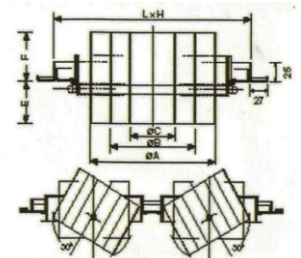


Available sizes:

Neck (mm) - 100, 150, 200, 250, 315, 400 Diameter

Jet Diffuser (Model: A-JD)

- Features:**
- Jet diffuser are designed for use in the large areas long throw such as sport centers, theaters airport and industrial shed.
 - Jet diffuser can be rotated by 360° by adjusting the core.
 - Jet diffuser are available in with or without panel
- Construction:** High Quality Aluminum
- Finish:** Powder coated in customized colour

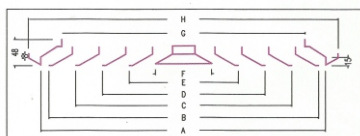


Available sizes:

Neck (mm) - 200, 250, 300, 350 Diameter

Circular Diffuser (Model: A-RD 1 & 2)

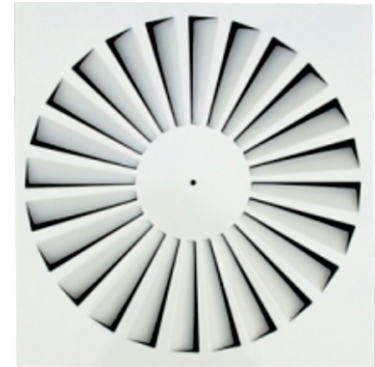
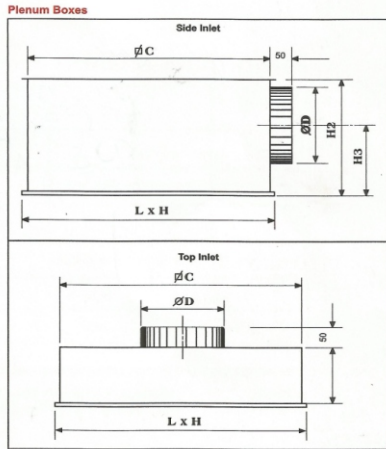
- Features:**
- Supply / Return / Exhaust diffusers
 - An another option for draft free comfort
 - Suitable for mounting on duct / collar / ceiling
- Construction:** Heavy gauge aluminum sheet
- Finish:** Powder coated in customized requirement
- Accessories:** Butterfly Damper



Available sizes:

in MM - 150, 225, 300, 375, 450 Diameter





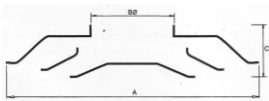
Swirl Diffuser (Model: A-HD)

- Features:**
- An ideal replacement to conventional circular and square ceiling diffusers
 - Create horizontal helical airstreams with turbulent pattern in high induction ratio
 - Maintains a balance between supply air / room temperature
 - Butterfly Damper / Plenum

Accessories: Press formed blades. Face plates are fabricated

Construction: 18 gauge aluminum sheet / MS sheet

Finish: Powder coated in customized colour



3 Cone Diffuser (Model: A-3CD)

- Features:**
- Unique Quick - easy removable cone arrangement
 - Spring loaded arrangement for easy assembly
 - Made out of aluminum or steel sheets
 - Available in attractive Powder coated colors
 - With or without dampers

Construction: Aluminum / Mild Steel

Finish: Powder coated in customized colour

Available sizes:

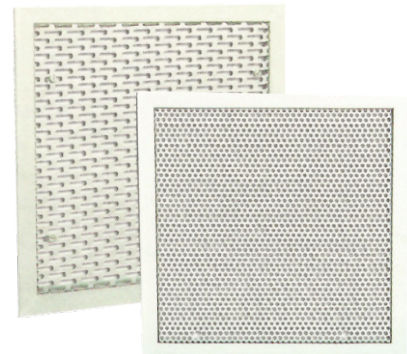
Neck (mm) - 150, 200, 250 Diameter
Outer (mm) - 603 x 603

Laminar Flow Diffuser (Model: A-LFD)

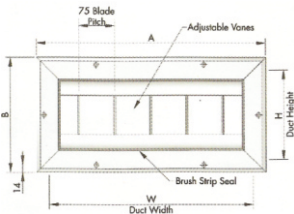
- Features:**
- Available for flush mounting with the ceiling
 - Suitable for mounting on the housing with aluminum opposed blade dampers on the rear side of the diffuser
 - Key operated VCD from front
 - perforations may be either circular or slots design

Construction: 18 gauge aluminum sheet

Finish: Powder coated in customized colour



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Drum Jet Diffuser (Model: A-DJD)

Features:

- Louvers are available in rectangular shape
 - Suitable for mounting directly on the duct / recommended to be used for long throws
 - Widely spaced vertical louvers, smoothly adjustable for left / right straight throws for providing quick comfort
- Fabricated from heavy
Extruded Aluminum
Powder coated in customized colour

Construction:

Finish:



Fresh and Exhaust Louvers (Model: A-FL)

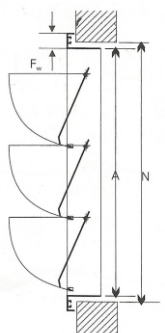
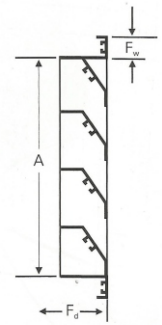
Features:

- For fresh air intake fixed louvers with bird screen
- Gravity louvers with bird screen for exhaust as an option
- Weather louvers of GI and aluminum construction with their strong and fine workmanship enhance the applications in industrial and commercial works.

Construction:

Finish:

Extruded Aluminum or GI
Powder coated in customized colour



Non Return Damper (Model: A-BDD)

Features:

- Top prevent the back draft of air
- Very low total pressure requirement for damper opening
- Automatic closure by gravity in case of no / reverse flow.

Construction:

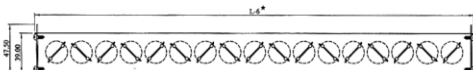
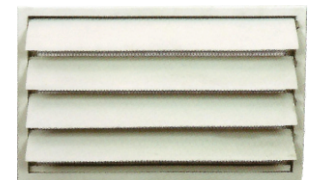
Frame - Aluminum or GI.
Blade - Aluminum

Finish:

Powder coated in customized colour

Available:

Box Type or Flange Type



Collar Damper (Model: A-OBDA-AL)

Features:

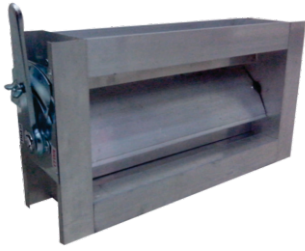
- For supply air & ideally suitable for mounting on duct collar for controlling the volume of air

Damper

Construction:

Finish:

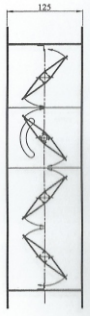
- Key type or handle type
- Extruded Aluminum or MS
Powder coated in Black Matt Colour



Low Leakage Duct Damper (Model: A-LLD)

- Features:**
- Aerofoil design dampers with rubber lining along either of the width of each damper to ensure low leakage
 - Adjustment is done with levers and handle arrangement
- Construction:** Extruded Aluminum or GI
- Finish:** Powder coated in customized requirement

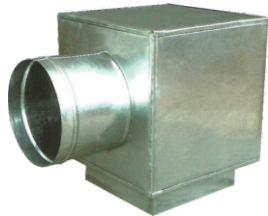
Available sizes: in MM 20, 40 Flange, Corner Clip



Round Butterfly Damper (Model: A-BD)

- Features:**
- For Supply air online / supply air duct collars for balancing air flow in round collars
 - The butterfly dampers are available in single or dual discs
 - Sturdy quadrant for easy movement of damper blade made from 120 GSM GI material, fully galvanized
- Construction:**

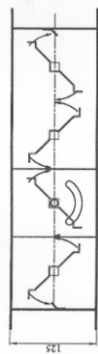
Available sizes: in MM 100, 150, 200, 250, 300, 315 Diameter



Terminal Box (Model: A-LLD)

- Features:**
- Available in factory assembled or knocked down conditions
 - Stopping bead for proper sitting of flexible duct on round collar
 - Available with hanging clips
- Construction:** Made form 120 GSM GI Material

Available sizes: Higher GSM (Optional)



Opposed Blade Type Duct Damper (Model: A-VCD)

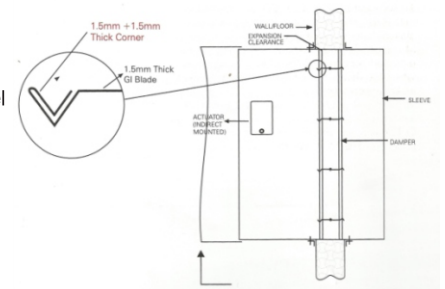
- Features:**
- For supply air
 - Suitable for adjusting the air flow in ducts
 - Adjustment is done with levers and handle arrangement
- Construction:** Extruded Aluminum or GI
- Finish:** Powder coated in customized requirement

Available sizes: in MM 20, 40 Flange, Corner Clip



Fire Damper (Model: A-FD)

- Features:**
- Multi blade held in open position with a stainless steel spring through fusible link for use in a fire related wall
 - Fire and smoke dampers are also available on demand
- Construction:** Heavy Gauge or GI sheet
- Finish:** Natural GI



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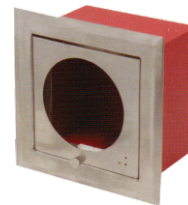
Risers (Model: A-R)

- Features:**
- Designed to handle high return air volume for use in clean rooms, laboratories, operating theaters
 - Removable front perforated for easy access and cleaning
- Construction:** Galvanized / Stainless Steel and High grade aluminum sheet
- Finish:** Powder coated with low leakage micro volume control damper

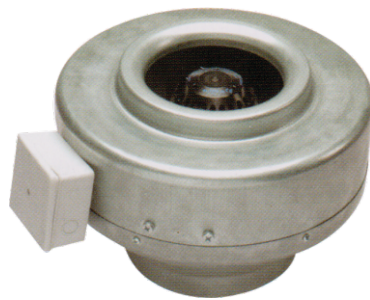


Magnehelic Gauge Box (Model: A-MB)

- Features:**
- Magnehelic Gauge Box cover is fitted to the base box with magnetic arrangement
- Construction:** SS/ GI
- Finish:**
- Powder coated in customized colour



Inline Fan (Model: A-ILF)



- Features:**
- Inline fans are true workhorse in all respects. These fans are proven performers in the most demanding situations and very easy to install. The sound levels are much comfortable with respect to the traditional axial propeller fans while the performance is much advanced and trouble free for years to come. These fans come with an in-built thermal protection system which protects the fan motor by switching off the motor in case of excessive heating
 - Specially designed for ventilation of medium and large size facilities
 - Both for horizontal and vertical mounting
 - Motor provided with external rotor on ball bearings with thermal protection
 - Low sound level
 - Complete with fastening Corbel
- Construction:** High Gauge Galvanized Steel Sheet
- Finish:** Powder coated in customized requirement

Available: in rectangular construction also.

Flexible Duct Connector (Model: A-FDC)

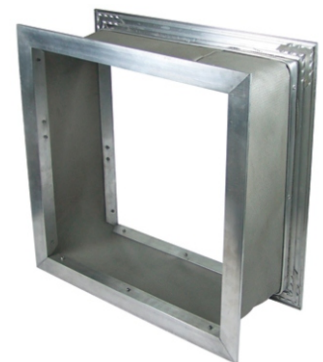
- Features:**
- Metal to fabric, flexible duct connectors are used to isolate vibrations produced by mechanical equipments.



Basic Fabric	Fibreglass weave
Coating	Silicon rubber
Weight	19 oz/yd 2 (645 g/m2) + 10%
Thickness	0.02 inches (.51 mm) + 10%
Tensile Strength	300 x 225 lbs
Burst Strength	600 psi +
Tear Strength	50 x 50 lbs

Available:

Vinyl, Neoprene, and Silicon. Insulated Fabric 25 mm thick Fibreglass insulation of R value 4.2, sandwiched between two layers of fabric



Circular Grille (Model: A-CGH)

- Features:**
- For return (Horizontal louvers) for directly mounting on the ceiling
- Construction:** Extruded Aluminum
- Finish:** Powder coated in customized color.

Double skin plenum (Model: A-DSP / SSP)

Features:

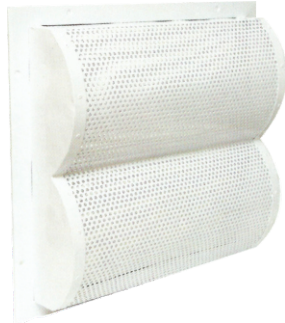
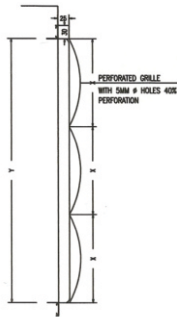
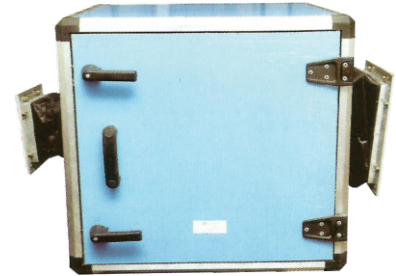
- HVAC Plenum is part of the duct work and the air path, either supply or return.
- Plenums are used through out the heating ventilation and air conditioning industry.
- The plenums are use in residential and commercial for supply air, return air and exhaust air.
- These plenums may be insulated with acoustic insulation for sound or thermal insulation to protect the conditioned air from the climatic or building environment. Having fabricated the plenums to the required specification to sheet metal mechanic will install the roof curb on a structural engineered roof with the plenums

Construction:

Extruded Aluminum / Pre-coated sheet

Finish:

- Powder coated in customized colour



Displacement Ventilation Grille (Model: A-DVG)

Features:

- Displacement Ventilation grilles are used for air distribution in areas with requirement of very low velocities at the outlet, as low as 0.2 m/s. Displacement ventilation works on the concept of very low velocity of air exiting the air terminal and then rising up as it comes in contact with a hot object i.e. Human Being, thereby giving comfort.

Construction:

Extruded aluminum and core of perforated MS sheet

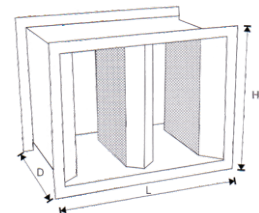
Finish:

duly powder coated in customized colour

Sound Attenuators (Model: A-SA)

Features:

- The Sound attenuators are designed to reduce the noise generated fans / impellers used in air conditioning system. The noise is relevant to the amount of work they do to move the air, much of the noise is generated by the fluctuations of radiated pressure and the pressure waves are distributed approximately equally in all directions, causing “duct born noise” and “break out” or “flanking noise”
- After determining the sound reduction requirements of the concerned area, a suitable sound attenuator is selected to match or reduce the noise to the target level. While selecting a sound attenuator the following parameters are to be considered.
 1. Insertion loss
 2. Static pressure drop
 3. Airflow regenerated noise
 4. Forward or reverse flow
- Galvanized steel outer casing of the sound attenuator is designed to HVAC standards, perforated splitters are filled with an odourless incombustible, vermin proof and moisture proof inorganic sound absorbing material. Primary function of this unit is to reduce noise, for a comfortable environments at offices, studios etc. where HVAC generated noise can pose a hindrance to the productivity
- .Outer casing : Constructed from not less than 22 gauge galvanized steel sheet with lock formed joints.
- Splitter facings : Perforated galvanized steel sheet. Splitter facings are aero dynamically profiled and exits are flat faced.
- Sound absorbent material : Inorganic, non-hygroscopic, flame, moisture and vermin proof, rock wool fibre of the desired density to achieve the required acoustic results is packed under compression to prevent the formation of voids due to settling.
- End connections : M. S. Steel angle secured to casing. Special flanges t match factory fabricated ducts are also available



AIR TERMINAL PRODUCT

MISCELLANEOUS

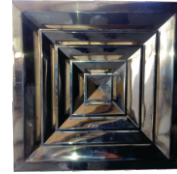
Stainless Steel Perforated



Stainless Steel Grille



Stainless Steel Diffuser



Hepa Terminal



Trap Door



Round Spigot



Round Butterfly



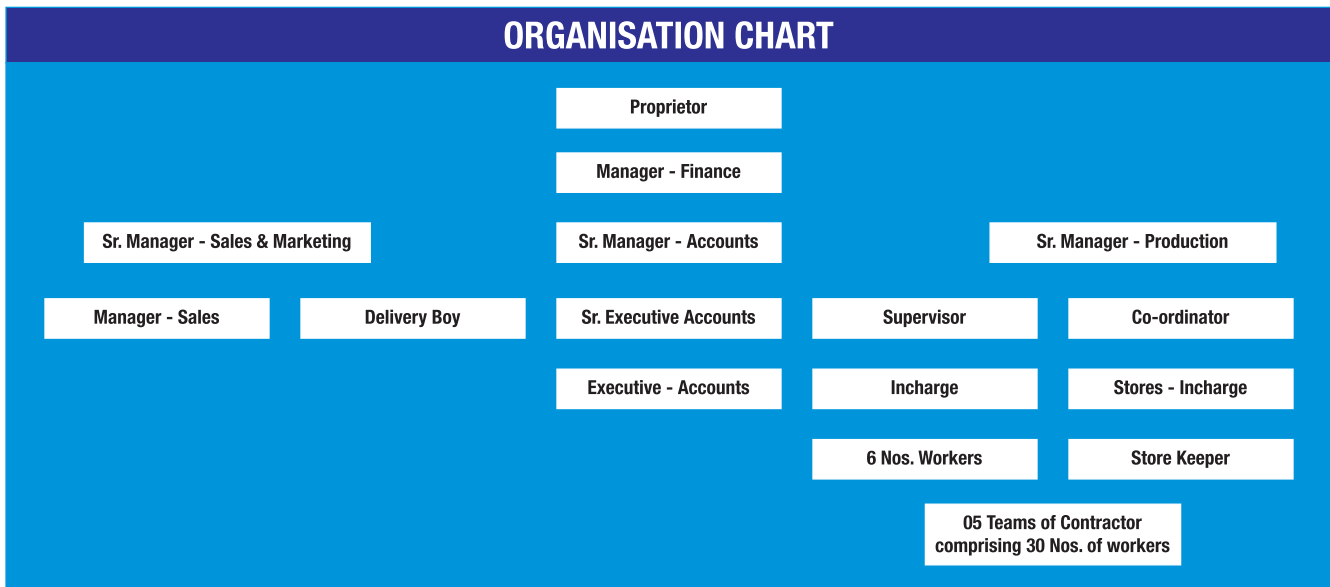
Plenum Rectangular Box



IRIS Damper



ORGANISATION CHART



Service

We recognise our customers as our partners. We strive to exceed your expectations by offering.

- **The broadest product line in the industry**
- **Competitive Pricing.**
- **Focus on Supply Chain Efficiency.**

Dependability

When you are partner with Ajanta, you can rely on our service.

- **Strategically located factories, enhancing, quick deliveries**
- **Excellent Fil Rates**
- **Short Lead Times**
- **Reduced Returns**
- **Reduced Stock outs at store locations.**

AJANTA ISO CERTIFICATE



About Us

Our Company M/s Ajanta Engineering Works was established in 1997. For manufacturing commercial kitchen ventilation & refrigeration equipment. We undertake turnkey project of commercial kitchen design manufacturing installation and commissioning. In 2013 we created a speciality division which will deal in commercial kitchen ventilation separately under brand name AJANTA . Our Company is member of ISHARE-BANGALORE, MUMBAI Chapter. Our products range are kitchen ventilation hood, blower, dry type scrubber and ducting.

We have great pleasure to introduce our self as one of the Pioneers company, promoted by a highly experienced techno crate in the field of designing, fabrication, erection installation and commissioning of Modern Kitchen ventilation system on turnkey basis since last 16 years. We have carried out more than 500 hundred installation for restaurant, fast food counters, commercial kitchens, industrial canteen, star hotels, hostels, hospitals defence and corporate house kitchen all over India.

AJANTA kitchen hoods are designed to match international standards with innovation and cost effective solutions in India. During all these years we have developed good rapport with architects, interior designer, builders, hotels / kitchen consultant who gave opportunity, to provide us services to there prestige clients.

Kitchen ventilation system requires expert technical and engineering background to design proper ventilation system which is also economical and which will yield maximum efficiency, hence to cater to the requirement of our clients we have dedicated technical design team for kitchen ventilation.

SPECIALISED IN KITCHENHOOD



BLOWER



DUCTING

Purpose of Hoods

The purpose of the hood is to capture, as nearly as possible, all the heat, smoke, odors, grease and grease vapors produced in the cooking process and to contain them until the fan can exhaust them.

Purpose of Grease Filters

Frequently, flash fires originating from cooking operations spread from the stove to grease deposits in the exhaust system. Non-filtered systems are prone to collect accumulations of highly combustible grease deposits throughout the entire duct system. Because of the chimney effect created in vertical duct work, a very intense rapidly spreading fire can engulf the entire system. A filtered system is protected from extensive damage because baffle type AJANTA grease filters are designed to allow grease run off or the grease quantities collected on the mesh type filter is limited to that collected between cleaning. The build up of extensive grease deposits in out of sight inaccessible locations is limited to the very small amount that passes through the filters (with efficient grease filters, usually less than 10%).

Grease filters protect exhaust equipment. When filters are not used in the exhaust systems, grease will collect on the blower wheel equipment. When filters are used in the exhaust systems, the wheel will cause unbalance resulting in unnecessary bearing wear. Grease accumulations on the motor will cause overheating which will create an additional fire hazard. The grease also has a tendency to deteriorate the insulation on wires thus adding another fire hazard.

Baffle type AJANTA grease filters simplify the cleaning process because most of the grease deposits run off the baffles to a collection device. (The mesh type grease filters collect the deposits on the sanitation, and health standards are greatly improved.

Grease filters have established themselves as an extremely important part of any kitchen exhaust system. In many areas, they are required by law. They should be included in any newly designed hoods and incorporated in remodeled hoods. The design and selection of grease filters play an important role in the overall effectiveness of the entire kitchen exhaust system.

General Technical Specification

1 AJANTA HOOD

- Hoods are fabricated out of 18 Kg SWG SS sheet, all joints are welded and exposed surface are made of double sided satin finish.
- The hood covers maximum cooking area to capture, collect maximum cooking effluent exhaunter.
- All edges are holed to provide maximum safety while cleaning the hood.
- Tube light fittings are provided inside the hood for maximize the brightness in the cooking area.
- The condensate drain tray are provided with grease collecting pan.

2 AJANTA BAFFLE FILTERS

- These are made out of 18/20 SWG SS sheet.
- Filters are laser cut sheet to minimize welding joints.

3 AJANTA FAN / BLOWER

- The scroll are manufacture out of mild steel fabricated welded construction with MS flat and angles, heavy gauge mild steel, carbon steel and aluminum.

4 AJANTA IMPELLER

- These are fabricated out of mild steel, the hub of the impeller if fabricated out of mild steel plate bolted to the impeller and statically and dynamically balance for maximum reliability and minimum vibration and noise level.

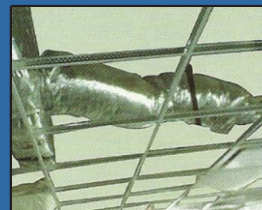
5 AJANTA DUCTING

- Ducting are fabricated out of 20/22/24 galvanized steel sheet and supported with MS angle and threaded GI rods and bolted with GI suitable nut bolt.
- Joints between two ducting flanges are fitted with double sided tape to avoid air leakages.

AJANTA FLEXIBLE DUCT

A Modular and Economical Air Distribution System with Maintenance Free Life

- Reduces Total Installed Cost - Fast and Easy to Install
- Air Tight - No Air Leakage, No Fiber Erosion
- Insulation - "Ajanta Insul" - Class '0' rated Glass Wool
- Core Material - Low Friction Loss, Strong and Flame Resistant
- Vapour Barrier - Reinforced for Maximum Toughness and Tear Resistant



Product Overview

- "Twiga Flexible Duct" designed for HVAC systems is strong, light weight, fully flexible, compressible yet dimensionally stable.
- Inner core is made of laminated films permanently bonded to a coated tough steel wire helix.
- Thermal efficiency is provided by wrapping exterior of the inner core with a blanket of fiberglass wool insulation in various density and thickness as per the required thermal resistance.
- Outer jacket which acts as a vapor barrier is tear and abuse resistant and is made of double laminated film with fiberglass yarn reinforcement.

Application and Benefits

- Ideal for all air-conditioning and ventilating systems in hospitals, hotels, industrial, residential, commercial and office buildings.
- Available as bare and pre insulated.
- Due to high degree of flexibility, allows ducting around obstacles where prefabricated metal ducts would be difficult and costly to install.
- A quick and economical means of correcting misalignment between system components.

Specifications

Standard Length	7.62 m (25 ft.)
Diameter Range	100 mm to 500 mm (4 inch to 20 inch)
Maximum Rated Velocity	20.32 m/s (4000 ft/min)
Temperature Range	0°C-90°C (32°F - 194°F)
Maximum Rated Positive Pressure	253.99 mm w.g. (10 inch w.g.)
Maximum Rated Negative Pressure	25.39 mm w.g. (1 inch w.g.)
Fire Rating	Certified as per BS 476 Part 5 and 6
For Insulated Ducts	
Standard Insulation Density	16 Kg/m ³ (1 lb/ft ³)
Standard Insulation Thickness	25mm (0.98 inch)
Insulation R Value	0.64m ² K/W (3.63°Fft ² hr/Btu)

NOTE: Alternate insulation density and thickness are available upon request for higher thermal resistance

Material of Construction

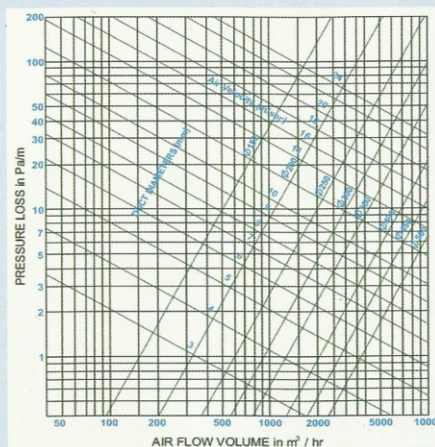
Inner Core – Available Configurations

- Metalised polyester film on inside and outside
- Clear polyester film on inside and metalised film on outside.
- Clear polyester film on inside and outside.
- Metalised polyester film on inside and Aluminium film on outside.
- Aluminium film on inside and outside.

Outer Sleeve – Available Configurations

- Metalised polyester with fiberglass yarn reinforcement.
- Other customised configurations available upon request.

Friction Loss Diagram



LIST OF INSTALLATION

AIRPORTS

Calicut International Airport
Mumbai International Airport
Kolkata International Airport
Bangalore International Airport

AUTOMOBILE SECTOR

Pratham Motors
Ravindu Toyota (Yesvantpur)
Nandi Toyota (Hosur Road)
Toyota Kirloskar Motor System
TVS Suzuki (Hosur)
Volvo (Hoskote)
Shahwar Nissan
Sundaram Motors
Nivamita Motors
Sagar Automobiles

CLEAN ROOM

Biocon Pharma
Cipla Pharma
Dr. Reddy's Laboratories
Micro Labs Ltd.
Ranbaxy Limited
Astrazeneca
Sun Pharma
GE Medical
Matxin Labs
Novozymes
KLE Lab
Group Pharmaceuticals
Apotex Pharma
BAL Pharma
Kennametal
Himalaya Drugs

GOVERNMENT SECTOR

Defence Research & Development Organisation
Karnataka High Court
Bangalore Metro Rail Corporation Ltd.
Hindustan Aeronautics Ltd
Bharat Heavy Electronics Ltd
Indian Space Research Organisation
Bhabha Atomic Research Centre
NABARD Bank (Mumbai)
Kanteerava Indoor Stadium (Bangalore)
Chamundi Stadium (Mysore)
Bharat Sanchar Nigam Limited
EPIC Hospital (Hubli)

HOSPITALS

Narayana Hrudayalaya
Manipal Hospital
NIMHANS
KLE Hospital
Apollo Hospital

Commando Hospital
Shanti Hospital
Columbia Asia Hospital
MIOT Hospital
Buns Hospital
St. Johns Hospital
ESIC Hospital (Thiruvendrum)
Vikram Hospital

HOTELS

IBIS Hotel
KEY Hotel
Ashoka Hotel
Le – Meridian
Atria Hotel
Capitol Hotel
Oberoi Hotel
Taj Group
Samhi Hotel
Solitaire Hotel
Leela Hotel
RV Hotel
The Park Hotel
Abhishek Hotel
Museum Inn
ITC Grand Chola (Chennai)
Howard & Johnson Hotel
Gautam Hotel

IT & CORPORATE OFFICES

Accenture
HCL
Wipro GE
Infosys
Oracle
ITPL (Whitefield)
SAP Labs
Divya Shree Chambers
Philips Software
SISCO
Wipro
Hewlett Packard
GE ITC
Makino Asia
Prestige Blue Chip Software
Prestige AI - Kareem
Prestige Sigma
Prestige Meridian
Prestige Hulkul
Prestige Elkin
Saskin
GEL Bell
RMZ Group
Sonata Software
Honey Well
Microsoft (Hyderabad)
Intel
Citi Corp
HMT Tower
Lucent Technologies

OCWEN Salarpuria
J.P. Morgan

MULTIPLEX / MALL

PVR Cinemas
Garuda Mall
Shopper Stop
Forum Mall
Big Bazaar
Total Mall
Gopalan Mall
Orion Mall
Mc Donalds
(Karnataka & Hyderabad)
KFC (Karnataka)
Hyper Market
More Super Market

POWER SECTOR

Bharat Heavy Electronics Ltd
Reliance Power

REAL ESTATE SECTOR

DLF Group
Hiranandani Group
Raheja Group
Adarsh Developers
HM Group
Salarpuria Group
Brigade Group

STEEL PLANTS

JSW Steel Ltd
Total Steels
VDR Steel

TELECOM

Bharti Airtel
Samsung
Nokia Siemens
Tata Indicom
Vodafone

OTHER INSTALLATIONS

Flextonics
Sugar Factory (Kolegal)
J. K. Cement Factory (Bagalkot)
Aisin Automotives India Ltd.
Bannari Sugars-Co-Generation Plant

(Nanjangud & Kolegal)
MRPL - Mangalore (Phase III)
Sagar Cement - Power Plant
(Gulbarga)



- ✓ **Trusted Product Quality**
- ✓ **International Standard**
- ✓ **Delivery on Time**

AJANTA ENGINEERING WORKS

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