



AIRONIX

'U name it, V make it'

AIRONIX STEEL & ALUMINIUM WORKS

- GRILLS & REGISTERS
- LINEAR BAR GRILLS
- CEILING DIFFUSERS
- SLOT DIFFUSERS
- INT / EXT LOUVERS
- SAND TRAP LOUVERS



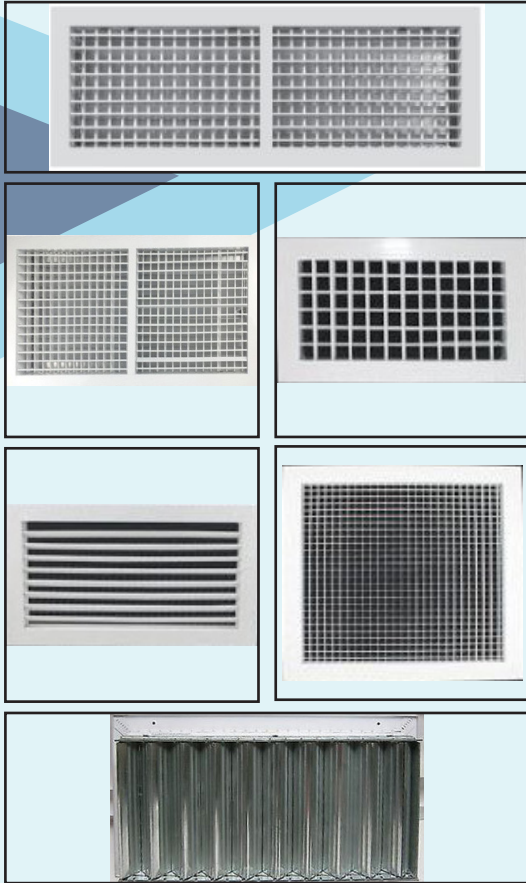
ISO 9001:2015 Certified

- VCD DAMPERS
- GI DUCTING RINGS
- NON RETURN DAMPERS
- SOUND ATTENUATOR
- VARIABLE AIR VOLUME
- ACCESS DOORS

GRILLS & REGISTERS

AIRONIX manufactures Grills for air distribution in HVAC systems. It provides excellent performance for air distribution and low pressure drops at different air passage velocities. Different sizes and models are designed to give full flexibility in volume and air pattern control. These are available in Single Deflection & Double Deflection wall mounted models. Codes are as follows:

- SAG - Supply Air Grill / Register
- RAG - Return Air Grill
- CAG - Combined Air Grill (Supply + Return)
- ECG - Egg Crate Grill

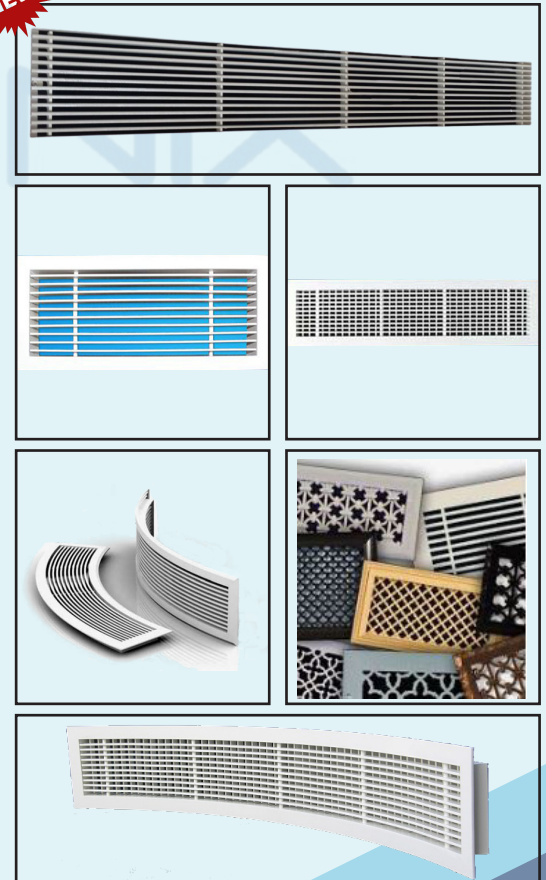


LINEAR BAR GRILLS

AIRONIX manufactures LINEAR BAR GRILLS which are similar to wall grills; difference is that the front linear blades are fixed and give a very decent and effluent look to the entire area. Deflecting blades at the back and opposed blade volume damper (in Supply model) can be adjusted from the front of the grill. These are manufactured in CURVED models also, depending on the curvature designs at the site. We at AIRONIX have developed Designer / Decorative grills too. Keeping in view of the global customer demands & taste. There are many different designs of Decorative grills, which can presented to the client upon request. The latest inclusion in our products are HIDDEN LBG. These are flangeless (Hidden Flanges) linear bar grills and installed above the gypsum ceiling for a frameless aesthetic view. Codes are as follows:

- SLBG - Supply Linear Bar Grill / Register
- RLBG - Return Linear Bar Grill
- CLBG - Combined Linear Bar Grill (Supply + Return)
- DLBG - Decorative Linear Bar Grill
- HLBG - Hidden Linear Bar Grill

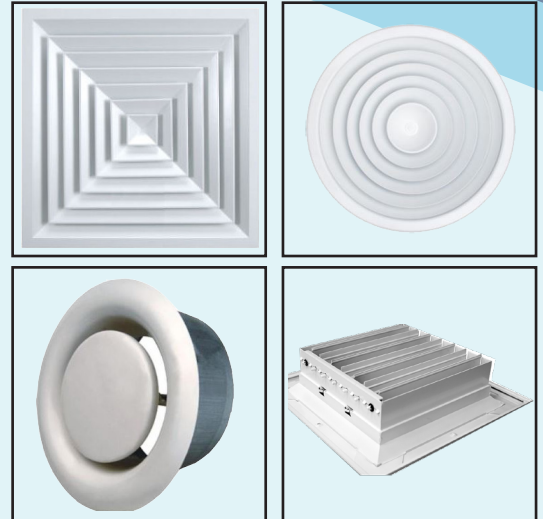
NEW



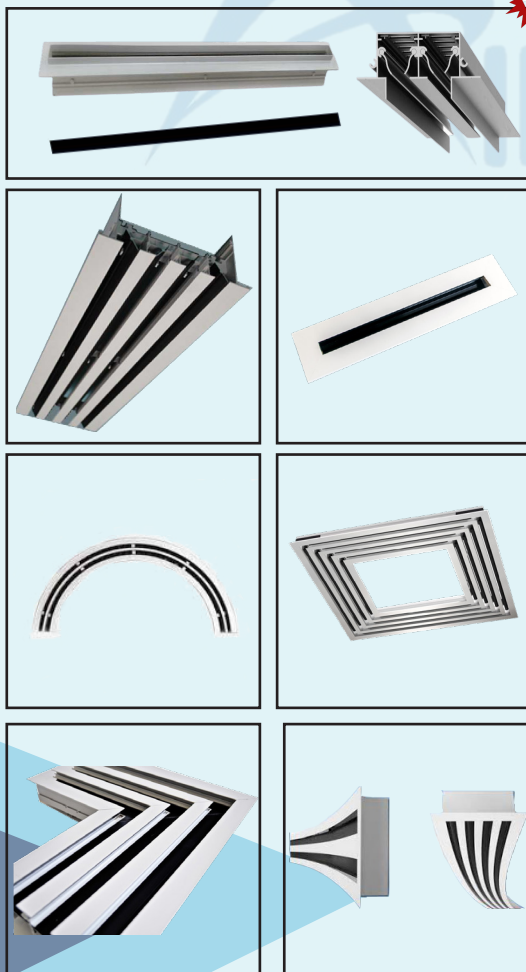
DIFFUSERS

AIRONIX diffusers are designed to give full flexibility in volume and air pattern control. Air diffusion pattern can be made horizontal along the ceiling, vertically downwards or intermediate. Deflecting vanes and integral volume damper can be adjusted from the diffuser face to adjust flow volume. The flow control does not affect the air pattern. Positive alignment of adjacent sections using alignment strips are provided with each diffuser. The AIRONIX diffuser is constructed from high quality aluminium extruded profiles. We at AIRONIX manufacture them in Square & Round shapes and in all sizes depending upon the desired opening and CFM. Codes are as follows:

- SAD - Supply Air Diffuser
- RAD - Return Air Diffuser
- RSAD - Round Supply Air Diffuser
- RRAD - Round Return Air Diffuser
- D/V - Disc Valve (for exhaust only)



SLOT DIFFUSER



AIRONIX manufacture's Linear Slot Diffusers which provides combination of engineering excellence and architectural appeal in a single product. The solid extruded aluminium construction contributes to the clean, crisp, straight lines without any compromise to air distribution performance. These are usually installed on the ceilings and consists of 1 to 8 slots for Supply or Return air applications. Single or multiple length arrangement will provide positive alignment of adjacent sections using alignment connector strips, provided with each linear section. These diffusers are constructed from high quality aluminium extruded profiles. These are manufactured in CURVED models also, depending on the curvature designs at the site. The latest inclusion in our products are **HIDDEN SLOTS**. These are flangeless (Hidden Flanges) linear slot diffusers and installed above the gypsum for a frameless aesthetic view.

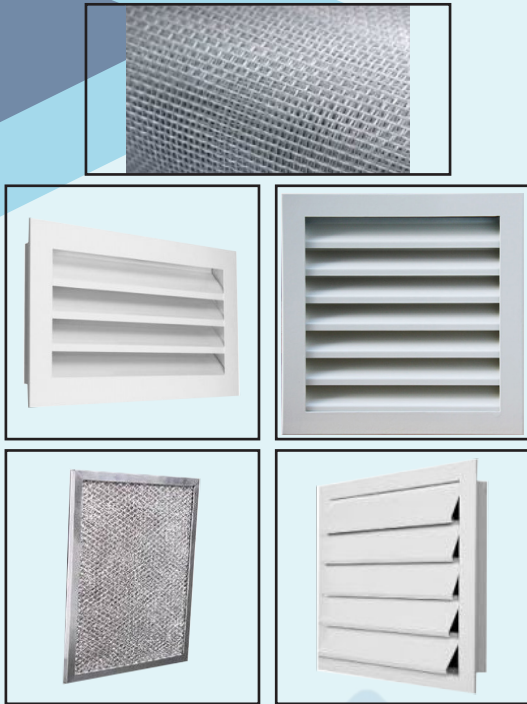
Codes are as follows:

- SLD - Supply Linear Diffuser
- RLD - Return Linear Diffuser
- CLD - Combined Linear Diffuser (Supply + Return)
- HLD - Hidden Linear Diffuser

LOUVER

AIRONIX manufactures all types of louvers, which are designed for intake, fresh supply, exhaust and extract air applications. The AIRONIX louvers have been designed to ensure that the basic parameters of minimum pressure loss, low self-generated aerodynamic noise, minimum water ingress and aesthetical appearance are satisfied. Unlike other fixed blade louvers, the Gravity air louver is constructed in such a way, that whenever there is an air flow, the blades will swing open and close as soon as air flow is discontinued. The AIRONIX louvers are constructed from high quality aluminium extruded profiles and supplied with aluminium mesh filters or MS net filter at the back, as per the customer requirement. Codes are as follows:

FAL - Fresh / Intake Air Louver
EAL - Exhaust / Extract Air Louver
GAL - Gravity Air Louver

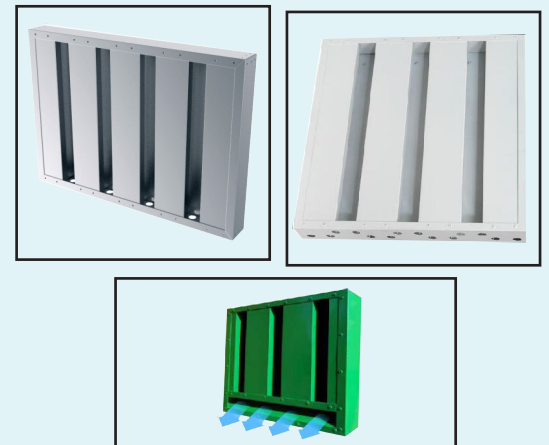


SAND TRAP LOUVER

AIRONIX manufactures Sand Trap Louvers for fresh air intake in HVAC systems. The AIRONIX STL's are constructed and designed to separate large size sand particles at low air velocities thus avoiding excessive dust loading on conventional secondary stage filters. With an open collection and drainage style system at the bottom, the sand or any other foreign particles are diverted out of the louvers, protecting the AHU at all times. The AIRONIX louvers give excellent performance for air filtration and moderate pressure drops at low air velocities.

Code is as follows:

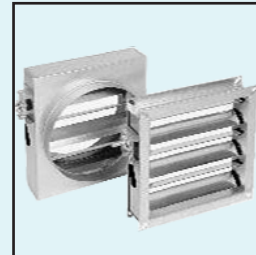
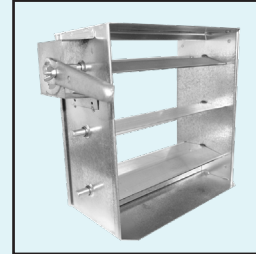
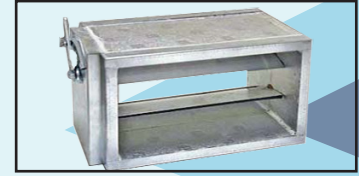
STL - Sand Trap Louver



VOLUME CONTROL DAMPER

AIRONIX manufactures volume control dampers in square, rectangular and round types with both, parallel and opposed blade operation. Almost zero leakage blade construction for high performance applications where dampers are subjected to face quiet, efficient and rattle free operations. The square and rectangular type AIRONIX VCD's come with Aluminium AEROFOIL blades designed for handling maximum air capacities at minimum pressure drop. AIRONIX VCD body is constructed from High Quality GI sheets or Pre Insulated PI sheets, providing maximum thickness to the body for heavy duty performance. AIRONIX VCD's have 3 options, Flange type, S&C type and Box type. AIRONIX also provides branded actuator & thermostat for MOTORIZED VCD's. Codes are as follows:

- GIVCD - GI Volume Control Damper (flange specifications to be provided by customer)
- PIVCD - Pre Insulated Volume Control Damper
- RVCD - Round Volume Control Damper
- MVCD - Motorized Volume Control Damper



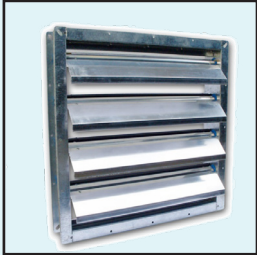
GI DUCTING RINGS

AIRONIX manufactures GI Rings for ducting, in all sizes from 4" to 12" in diameter and all heights can be made as per the customer requirements. These are fabricated in semi to high thickness of GI sheet. AIRONIX GI Rings are made of remarkable quality, good finishing, sturdy construction and corrosion resistance are the main features of this product. Codes are as follows:

RINGS - GI Ducting Rings

NON RETURN DAMPER / PRESSURE RELIEF DAMPERS

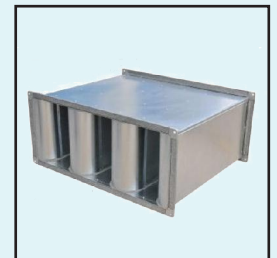
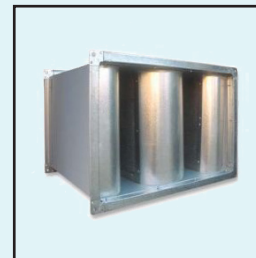
Self-operated Non Return Dampers manufactured by AIRONIX will close at reverse airflows in HVAC systems and will lock ducts or air handling units automatically. These are installed, often on the positive pressure side of parallel arranged ventilators and will prevent reverse airflow at the stop of one ventilator. AIRONIX Non return dampers also known as Pressure relief dampers operate as the room pressure increases, the blades of the pressure relief damper automatically opens by relieving the excess pressure in the room and when pressure drops back to normal blades close by gravity or counter weight or spring. AIRONIX non return dampers are constructed from High Grade quality and heavy duty thick Galvanized Steel. Codes are as follows:



NRD - Non Return Damper
PRD - Pressure Relief Damper

SOUND ATTENUATOR

AIRONIX manufactures square & rectangular Sound Attenuators, which provide effective and predictable noise reduction by adopting latest manufacturing techniques in fabrication. Low noise level achievement has always been one of the key features of building design. In recent years noise control has become an important criteria due to increasing environmental awareness and the effects of noise on health, safety, comfort and efficiency. Control of the acoustical environment in a building means that all of the factors that may lead to noise problems must be fully considered. This means noise control of HVAC systems, controlling transmission of sound between rooms, protecting hallways, offices and other structures from high noise areas, and providing maximum privacy where needed. Codes are as follows:

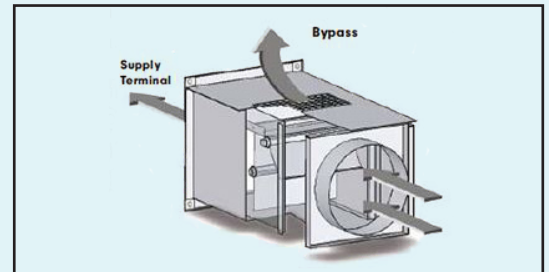
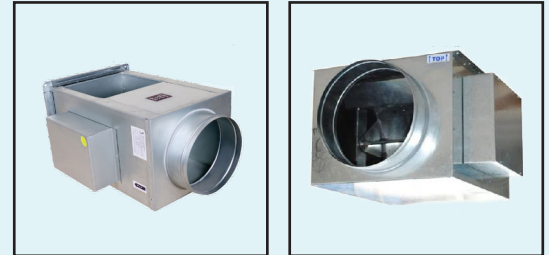


SAT - Sound Attenuator

VARIABLE AIR VOLUME (BY PASS)

AIRONIX VAV By Pass systems are developed to be more energy efficient and to meet the varying heating and cooling need of different building zones. A zone can be a single room or cluster of rooms with the same heat/cold gain and heat/cold loss characteristics. AIRONIX VAV By pass systems can save as much as 30 percent in energy cost as compared to conventional dual duct systems. In addition, they are economical to install and operate. These VAV boxes are designed to maintain the temperature for a desired level of occupant comfort by controlling the volume flow rate of the conditioned air in to an occupied zone in response to a duct static pressure or zone temperature control signal. Codes are as follows:

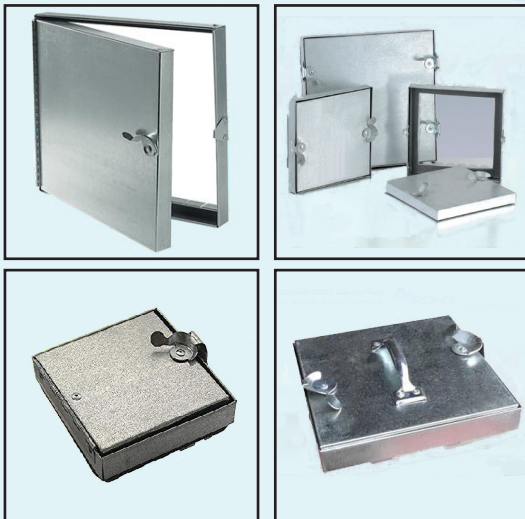
BPVAV - Variable Air Volume (By-pass only)



ACCESS DOOR

AIRONIX manufactures Access Doors that are designed for use in air conditioning ductwork systems to provide access for resetting of Fire Dampers, Heaters, Filters, Fire Alarm panels or any other sensitive or security required equipment and for other maintenance works. The strong and robust construction of the AIRONIX Access Door guarantees low leakage of air even with high duct pressure. Constructed of High Grade thick Galvanised steel, double cam locked with a handle and double walled door panel with mineral wool insulation ensures better resistance for transfer of heat/cold. AIRONIX Pre Insulated Access Doors can also be fabricated upon customer request. Codes are as follows:

ACD - Access Door
ACDH - Access Door with hinge
PIACD - Pre Insulated access door



Certificate of Registration

*This is to Certify that
Quality Management Systems of*

AIRONIX STEEL & ALUMINIUM WORKSHOP

**PO Box 1404, New Industrial Area
Umm Al Quwain, UAE**

has been assessed and found to conform to the requirements of

ISO 9001:2015

for the following scope:

**Smithery and Welding Workshop, Aluminium & Glass
Installation Workshop.**

Certificate No.	: 179AGA2901	
Initial Registration Date	: 17.08.2020	Issuance Date: 19.08.2020
Date of Expiry *	: 18.08.2023	
1st Surve. Due	: 18.08.2021	2nd Surve. Due : 18.08.2022



Director

Accurate Global Ltd.

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*Validity of the Certificate is subject to successful completion of surveillance audit on or before of due date. (in case surveillance audit is not allowed to be conducted, this certificate shall be suspended/withdrawal).

Certificate Verification: Please Re-check the validity of certificate at www.accurateiso.com at Active Clients. Certificate is the property of Accurate Global Ltd. London, UK and shall be returned immediately when demanded).



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