AIR DISTRIBUTION DEVICES 2015







# TECNALCO



**TECNALCO** - Aluminium Technical Engineering Factory was established in 1981, and has made its name since amongst discerning customers as a supplier of high quality air distribution devices and duct accessories.

Located in the northern emirate of Umm Al Quwain, United Arab Emirates, TECNALCO's manufacturing facility is one of the largest and oldest in its field.

Comprising of over two hundred employees, and with more than two decades of experience, we are well equipped to handle all manner of customer requests and queries.

Our product range include: grilles & registers, linear bar grilles, square diffusers, slot diffusers, round diffusers, perforated diffusers, air louvres, exhaust valves, door grilles, floor grilles, non return dampers, sand trap louvres, jet diffusers, volume control dampers, fire dampers, sound attenuators, plenum boxes and access doors.

The majority of our products are manufactured from aluminium extruded sections, in polyster/epoxy powder coated surface finish.

Cover Image: Address Boulevard Hotel, Dubai ( Air Distribution Supplied by Tecnalco)











# سكنالك





IBRAHIM SAEED ALGHAS (Chairman & Managing Director)



AHMED IBRAHIM ALGHAS (Director)



MOHD. ALAM ALI ZAIDI (Sales & Marketing Manager)



SANJEEV MATHUR (Plant Manager)













TECNALCO grilles and registers provide a high standard of quality, solid construction and quiet, controlled performance.



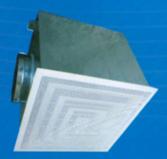
TECNALCO Linear bar grilles and registers provide a high standard of quality, solid construction and quiet, controlled performance.



TECNALCO ceiling diffusers can supply large volumes of conditioned air at acceptable sound levels and pressure drops, when over all dimensions of the diffuser are limited by modular ceiling systems or architectural considerations. The excellent performance is completed by a pleasing appearance that hormonizes with various architectural details, especially in modular ceiling systems.



TECNALCO modulinear slot diffusers are specially designed to provide supply or return air in heating, cooling or ventilating systems. Constructed of extruded aluminium, these diffusers can be used in virtually any type of ceiling. Available in 3 different slot widths, from 1 to 8 slots, modulinear diffusers permit complete control of flow rate without disturbing the selected air pattern.



TECNALCO ceiling diffusers with perforated face, are recommended for heating, ventilating and cooling in centralised air conditioning systems.



TECNALCO Round Diffusers are designed to provide supply or return of conditioned air at acceptable sound levels, pressure drops and uniform radial discharge in supply air application & are suitable for supply air temperature differentials of +10K to 10 K













TECNALCO exhaust valves blend readily with contemporary room designs and snapped into the concealed T-bars. The TEV types present a surface flush with the surrounding ceiling tiles. Because of the internal contours of the annular slot, formed by the outer cone. and the central disc, the exhaust air pattern is uniformly circular. Threre is a strong 'coanda' effect for excellent variable air volume performance.



TECNALCO transfer grilles or door grilles offer the largest free area possible with a completely sight-proof core design. They are widely used, not only in doors and partitions, but also in place of conventional exhaust and return grilles where it is important that the interior of the plenum or duct be concealed.



TECNALCO horizontal outside louvres are designed for both intake and exhaust air applications. Two different TECNALCO types of louvres of light and heavy duty construction with their strong, clean and careful workmanship enhance the applications in industrial and commercial works. Effective weather protection, moderate pressure drop and long life will result from TECNALCO louvres.



TECNALCO 'NRD' type models are also named as 'self closing dampers' or 'back pressure dampers' or 'gravity dampers' or 'pressure relief dampers'

These are air operated, opening or closing dampers for intake, discharge and pressure relief vents in air conditioning systems.



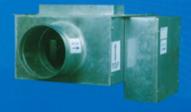
TECNALCO sand trap louvre is designed to seperate large size sand particles at low air velocities thus avoiding excessive dust loading of conventional filters. It is not intended as a substitute for conventional supply air filtration plant. It gives excellent performance for air filtration at moderate pressure drops and low air velocities.



TECNALCO an industry, leader in quality air moving products, manufactures high quality aerofoil and ordinary type volume control dampers.



TECNALCO TPI 700 Series Pressure Independent variable Air Volume is single duct variable air volume system. The accurate volume control achieved by pressure independent VAV terminals results in substantial energy savings a well as increased comfort to the occupant.



TECNALCO TBP 501 Series Top By Pass type variable air volume terminals are designed for single duct system in order to deliver variable air flows to occupied spaces.













The folding blade fire damper manufactured by TECNALCO and designed to stop the spread of fire through ducts, walls, ceilings, doors, partition walls or floors. The product incorporates numerous features as required and specified by Contractors, local fire authorities in addition to Consultants.



TECNALCO Access Doors offer quick & easy installation Wherever duct access is needed. Manual Cam locks assure tight door closure and continuous Piano- type hinges models give smooth operation.

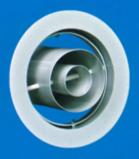


TECNALCO MSFD designed with 3-V groove opposite blade operation and controlled closure technology that provides point of origin fire containment and operational flexibility in static and dynamic smoke management system.

\*MSFD is under UL testing procedure.



The Sound attenuators are designed by TECNALCO to combat noise problems. All fans / impellers used in air conditioning system produce noise, 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 these pressure waves are distributed approximately equally in all directions, causing "duct born noise" and "break out" or "flanking noise".



TECNALCO Jet Diffusers or named as Jet Nozzles are specially designed to handle high air flow rates and provide relatively long throws which make them particularly suitable for conditioning of large spaces such as halls, warehouses, and auditorium etc.



TECNALCO MSD designed with 3-V groove opposite blade operation to resist the passage of air and smoke. Smoke dampers are operated by factory installed electric Actuators.











#### TESTS AND APPROVALS

### Certificate of Registration



#### Aluminium Technical Engineering Factory (TECNALCO)

Main Site: P.O.Box 73, Umm Al Qurasin King Felsel Road United Arab Emirates

ed and registered by Intertek as conforming to the requirements of

ISO 9001:2008

The quality management system is applicable to

MANUFACTURE OF AIR INLETS, AIR OUTLETS AND DUCT ACCESSORIES



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#### Certificate of Registration

Intertek

**Aluminium Technical Engineering Factory** (TECNALCO)

Main Site: P.O.Box FS, Umon Al Quessin - In King Falsel Stand United Anal Standard

ISO 14001:2004

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MANUFACTURE OF AIR INLETS, AIR OUTLETS AND DUCT ACCESSORIES

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#### Certificate of Registration



Aluminium Technical Engineering Factory (TECNALCO)

Main Site: F.O.Bee 73, Own At Questi King Febal Sout United Anth Emirates

OHSAS 18001:2007 and safety management system is applicable to the health and safety risks associated with:

MANUFACTURE OF AIR INLETS, AIR OUTLETS AND DUCT ACCESSORIES





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#### Certificate of Compliance

Intertek Warnock Hersey Mark for

fire resistant dampers

Product Harman Salman Expen Marinum store SM estudies Salman SM 18" units 10-16" tops

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ITS Intertek Testing Services

## PERFORMANCE TEST CERTIFICATE

ISSUED TO

TECNALCO ALUMINUM TECHNICAL ENGINEERING FACTORY

Inderteit Testing Services (ETL Testing Laboratories at the time of the testing) has tested representative samples of Tecnatur's Supply Square Four Way Celling Diffusers.

Three sizes 150 x 150, 300 x 300 and 500 x 600 mm have been tested in accordance with the standards listed below and have been found to perform in a manner appropriate to the dictales of the standards.

# STANDARDS

ANSWASHRAE 70-1991 ADC1082: GRD-84 /50 5219

#### SCOPE OF TESTING

The diffusers were tested for the following: "See ETL Report No. 500216A, dated November 2, 1990"

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### PERFORMANCE TEST CERTIFICATE

ISSUED TO

TECNALCO

ALUMINUM TECHNICAL ENGINEERING FACTORY

tertek Teating Services (ETI). Feating Laboratories at the time of the sting! has leated representative samples of Tecnsico's linear stot dil

# STANDARDS

ANSIRSHRAE 70-1991 ADC1982: GRD-84 ISO 5219

# SCOPE OF TESTING

The diffusors were tested for the following: "See ETL Report Number 511438; deleted October 7, 1991"

Mom HBay



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AIR DISTRIBUTION DEVICES SUPPLIED BY TECNALCO



MEDEOR 24X7 HOSPITAL, ABU DHABI



**DUBAI MARINA-(LA VERDA) TOWER** 



MAYSAAN RESIDENTS BUILDING, OUD METHA-DUBAI



MERVALLA (136 VILLAS IN JUMEIRAH VILLAGE) DUBAI



AL ZORAH DEVELOPMENT OFFICE BUILDING-AJMAN









# RECENT PROJECTS





CONSTRUCTION OF HOTEL BUILDING AT RAWDAT AL KHAIL, DOHA - QATAR



CONSTRUCTION OF OFFICE BUILDING AT CONSTRUCTION OF OFFICE BUILDING AT AL BUSTAN COMPLEX, RAMADA - QATAR AL BUSTAN COMPLEX, RAMADA - QATAR





CONSTRUCTION OF HOTEL BUILDING AT RAWDAT AL KHAIL, DOHA - QATAR



AL BUSTAN COMPLEX- QATAR



AL BUSTAN RESIDENTIAL COMPLEX- QATAR



COMMERCIAL & ADMINISTRATIVE BUILDING AT AL NAJMA, DOHA- QATAR



ABRAJ QUARTER RESIDENTIAL TOWER-QATAR









# **FACTORY LOCATION**

