

# AIR DISTRIBUTION DEVICES 2015



تكنالكو  
**TECNALCO**

ALUMINIUM TECHNICAL ENGINEERING FACTORY  
Quality Air Distribution Since 1981





**T**ECNALCO - 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 polyester/epoxy powder coated surface finish.

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





**IBRAHIM SAEED ALGHAS**  
(Chairman & Managing Director)



**AHMED IBRAHIM ALGHAS**  
(Director)

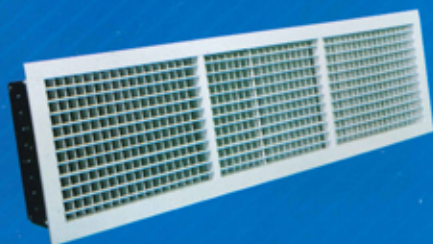


**MOHD. ALAM ALI ZAIDI**  
(Sales & Marketing Manager)

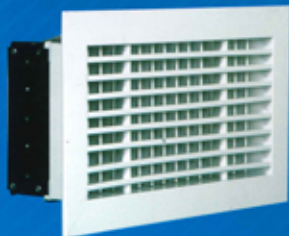


**SANJEEV MATHUR**  
(Plant Manager)





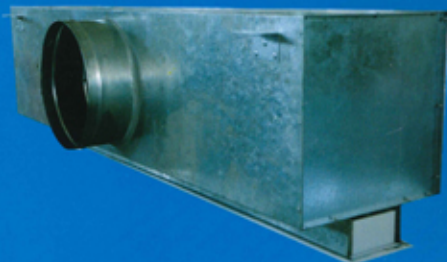
TECNALCO grilles and registers provide a high standard of quality, solid construction and quiet, controlled performance.



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 harmonizes 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. There 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.



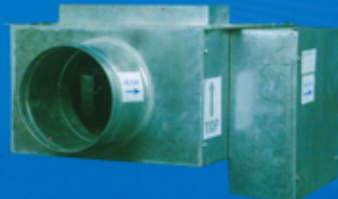
TECNALCO sand trap louvre is designed to separate large size sand particles at low air velocities thus avoiding excessive dust loading of conventional filters. It is not intended as a substitute for conventional supply air filtration plant. It gives excellent performance for air filtration at moderate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

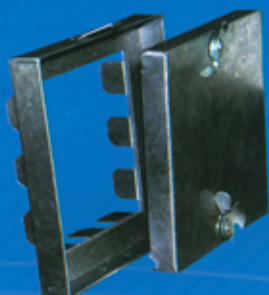




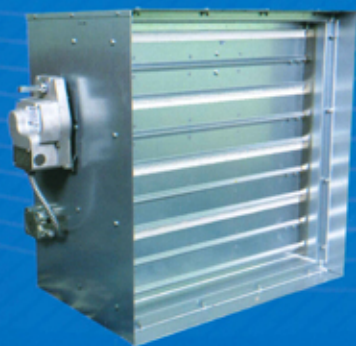
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The folding blade fire damper manufactured by TECNALCO and designed to stop the spread of fire through ducts, walls, ceilings, doors, partition walls or floors. The product incorporates numerous features as required and specified by Contractors, local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

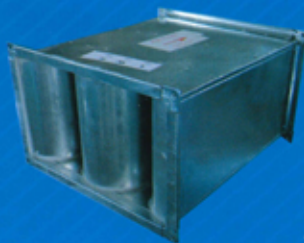


TECNALCO Access Doors offer quick & easy installation wherever duct access is needed. Manual Cam locks assure tight door closure and continuous Piano- type hinges models give smooth operation.



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.



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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 KHAİL, DOHA – QATAR



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



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



CONSTRUCTION OF HOTEL BUILDING  
AT RAWDAT AL KHAİL, 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

