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About us

At Maven Trading & Installation WLL, we pride ourselves on providing the best HVAC solutions tailored to meet your needs. We are an ISO 9001:2015 and ICV certified company, committed to blending innovative products with a comprehensive range of HVAC products and solutions, technical expertise, and unparalleled after-sales service, ensuring an exceptional customer satisfaction experience. Since our inception, Maven Trading & Installation WLL has grown into a leading supplier of HVAC equipment and have expertise in providing the clients with right solutions for their requirements. Our journey began with a vision to redefine the HVAC landscape in Qatar, and today, we are proud to serve a wide range of clients with our advanced solutions.

Our Vision

To be the leading technology partner in the Middle East, spearheading the transformation of the HVAC industry through innovation and sustainability. We are committed to achieving this by providing advanced, efficient, and forward-thinking products and solutions.

Our Mission

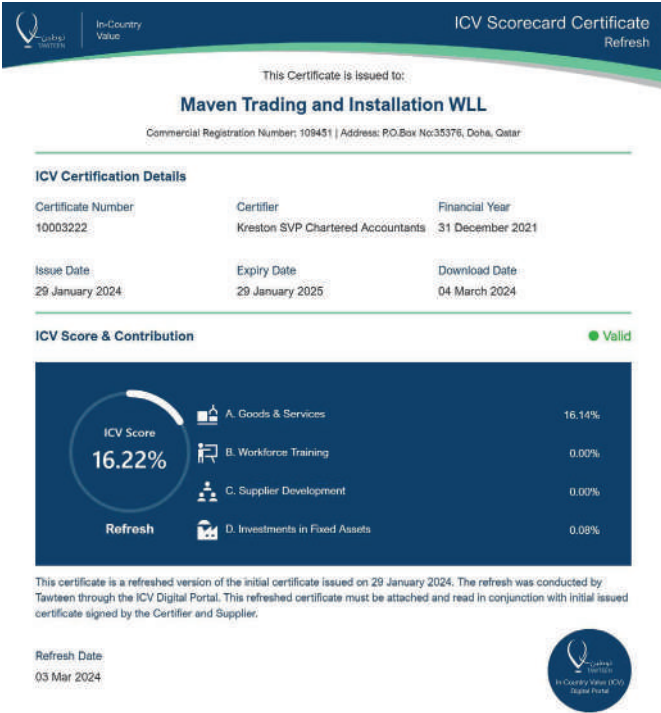
- Consistently identify and address emerging customer needs.
- Regularly explore and implement the latest global innovations in HVAC products.
- Partner with industry experts to gain and share technological insights
- Design and deliver sustainable HVAC solutions that enhance efficiency and environmental stewardship.

At Maven Trading & Installation WLL, we take pride in our top-tier team of HVAC engineers and technicians in Qatar. We ensure seamless supply, installation, and commissioning, coupled with an exceptional service setup, to deliver a world-class experience for our clients in Qatar. We are proud to redefine the HVAC landscape in Qatar and are dedicated to serving our diverse client base with the highest standards of quality and professionalism.



Thulasiram Sathianathan
General Manager

Certification



Notes:

- 1) This ICV Certificate is an extraction from Kreston SVP Chartered Accountants's full ICV report dated 29/01/2024 and should be read in conjunction with the cover letter and factual findings report relevant to the ICV score in the full ICV report.
- 2) This full ICV report is issued vide an engagement letter between Kreston SVP Chartered Accountants and Maven Trading and Installation WLL dated 29/01/2024. Kreston SVP Chartered Accountants does not accept or assume any liability, responsibility or duty of care for any use of or reliance on this document by anyone, other than the intended recipient to the extent agreed in the engagement letter.
- 3) In the case any information included in the ICV Certificate requires further validation, contact should be made with Tawteen.

Dehumidifier - DRY, DRY Siren, Dehumidifier



 **MICROWELL**

*MICROWELL dehumidifiers are well identified throughout for its elegant design which amalgamate to different kinds of Interiors. These units working on the principle of condensation, are crafted especially for use in indoor swimming pools, spas, and saunas, in addition, they can also be extremely useful in laundries, drying rooms and elsewhere.

These units solve humidity problems and maintain healthy environment by removing humid air from swimming pool hall and replacing it with dry and warm air. Its performance is proven to be the best in class and provide free heating through heat recovery up to 3.5 times

Swimming Pool Heat Pump / Plunge Pool Chillers



 **MICROWELL**

Microwells range of heat Pumps are a comprehensive line of solution for heating and cooling application of indoor or outdoor pools, jacuzzies or chill plunge pool. They have been carefully conceived and redesigned to serve any pool size: from small residential pool to hotel or Spa and large leisure centre pools with volume exceeding 400m³ These are manufactured in tightest accordance to meet with strict EU norms and standards, hence high quality operation and long- term reliability is assured.

Ceiling/Outdoor Mounted Dehumidifier - FD Series



 **FRAL**
RIGHT HUMIDITY ON DEMAND

The FRAL make FD series industrial dehumidifiers are identified for its sturdy and robust construction which makes them extremely durable. These units are easy to install and maintain. FD series models are suitable for humidity regulation application in commercial spaces, indoor swimming pool halls and industries the FD TRC series are unique kind of models available in the market with outlet air temperature control capabilities in addition to humidity regulation.

Desiccant Dehumidifier Cold Storage / Industrial

 **FRAL**
RIGHT HUMIDITY ON DEMAND



The FR series dehumidifier are equipped with a high capacity rotor wheel and is designed for the larger and more challenging applications than the smaller series FR. This dehumidification process is reliable between extremes of temperature, from as low as -30°C and as high as +40°C. Compact Design; Open design layout allows Extremely Easy Service, Stainless Steel for long term reliability, PLC control with display terminal.

Domestic Dehumidifier



 **TROTEC**



Creating a healthy feel-good climate with the optimum humidity level confront your unpleasant room climate with the stylish dehumidifiers of Trotec's HomeComfort series and create a healthy room climate wherever humidity becomes a problem. These dehumidifiers are mobile and can be used flexibly in both large and small rooms thanks to different dehumidification performance values.

Air Sanitization / Plasma Ionization Equipment



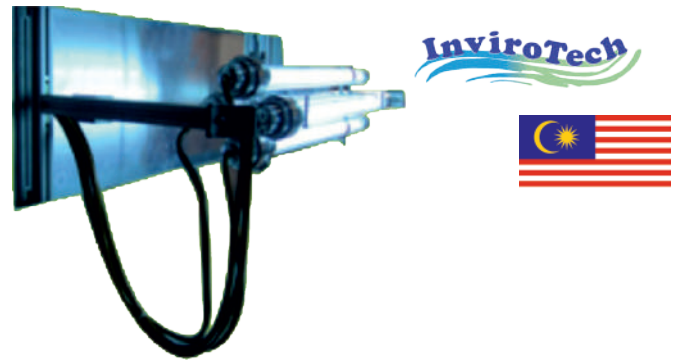
NTP (Non Thermal Plasma) technology is a physical phenomenon generated at room temperature, it uses air as a gaseous mixture transforming it into an ionized gas consisting of various electrically charged particles both and electrons, ions, atoms and molecules which collide producing oxidizing species, the reactivity of the particles then causes oxidation phenomena capable of desegregating volatile organic compounds, bacteria, microorganisms, odors.

Electric Floor Heating Mat & Heat Tracing Cables



Electrical floor heating can be applied as an additional heating source, in flats and apartments, in larger buildings. You can easily add a thin DEVImat or DEVIdry during a renovation and enjoy a warmed interior and floor when outside temperature goes down before the heating season.

UVGI (UVC) Lamps



UVC Lamps Can be Duct Mounted, AHU/FCU Mounted, Ceiling Mounted, Surface Disinfectant

InviroTech UVGI Systems zaps airborne viruses, bacteria, fungus and mold with a germicidal-wavelength band of light and therefore are considered to be a safe solution to eradicate airborne viruses after they've been breathed, coughed or sneezed into the air.

Water Tank Cooler



Tempcon, provide high-quality, cooling customized process and cooling solution to customers. Tempcon is now the largest manufacturer of process chillers in Eastern India. They have experience of more than three decades in the industrial refrigeration industry.

Tempcon has a wide range of cooling process products, which include Water Chiller, Panel Cooler. Tempcon make energy efficient & reliable products which is more suitable for Middle East conditions

Indirect Evaporative Cooling



HMV IDEC: A Proven Solution for Healthy & Energy-Efficient Cooling HMX Indirect Direct Evaporative Cooling (IDEC) combines 100% fresh air with energy-efficient cooling for large industrial and commercial spaces. Powered by the DAMA heat exchanger, it ensures better indoor air quality and superior comfort even during peak summer and humid days — without the high energy costs of air conditioning.

Kitchen Ecology Unit



Exhaust ventilation in commercial and institutional kitchens can be challenging due to the sticky nature of the complex aerosols generated during the cooking.

JAF Kitchen Ecology Unit (KEU) Systems can be incorporated into the total kitchen ventilation solution when the control of airborne pollutants at the discharge point is a requirement. It removes smoke, absorbs surplus ozone, and minimizes airborne cooking odors, thus facilitating the location of commercial kitchens in areas where there is only minimal provision for kitchen exhaust.

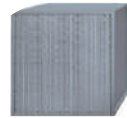
Chemical Filtration Unit and Inertial Filtration Unit



The BION filtration unit offers comprehensive solutions for improving indoor air quality, neutralizing odors, preventing gas-induced corrosion, and enhancing biogas purification. Serving industries like chemical, oil and gas, food, WWTP, etc.

The BION Inertia filter is a self-cleaning, high-efficiency dust filter for large air volumes. It requires no maintenance, media replacement, or adjustments, making it ideal for challenging, dust-heavy environments.

HVAC, HEPA & ULPA Filter



Various Type of Filtration product available:

- Pre Filters, Fine/Bag Filters, Rigid Bag Filters, HEPA/ULPA Filters
- Inertial Separation Filter
- Filter Holding Frames
- Terminal Hepa Filter
- Automatic Renewal Filter
- Safe Change Unit and Housing
- Power Plant Series - Gas Turbine Filters

Smoking Room / Shisha Room Filtration Unit



Smoke Filtration Unit shall be designed to control & eliminate both particulate and Smoke Odor & chemical pollutants from air stream.

These Units are ideal for offices, Restaurants and other application where smoking Odor is a bigger issue to be addressed.

Air Purification & Infectious Control Equipments



Air Purification system from JAF has multiple stages of filtration and is equipped with UV lamps for protection against Germs and viruses. The units contain pre filter, Bag Filter and Hepa filter for effective air purification and also carbon filters for odor reduction. The units are designed as stand alone construction and the noise levels are low thanks to the low power EC fans with inbuilt VFD Controls

Chilled Water Valves and Plumbing valves



Albion Valves supplies high-quality, affordable products for independent pipework distributors in the UK, known for reliability and strong margins. We offer a trusted alternative to premium brands. Chilled water valves are essential for efficient HVAC systems, ensuring comfort and performance.

PICV Valves & Actuators, Energy Valve, 2-Way & 3-Way Valves



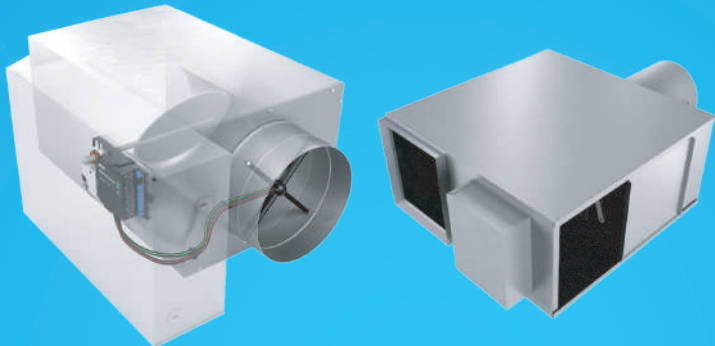
Danfoss offers wide range of size and different types in control valves, provides an automatic/manual temperature control valve with or without actuator (modulating/on-off)

BTU Meters & Flow Meters



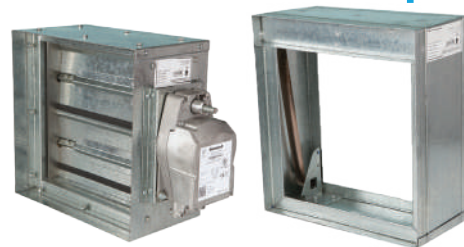
The Danfoss offers a wide range of ultrasonic, compact energy meters intended for measuring energy consumption in heating and cooling applications for billing purposes. Available in DN15 to DN1200

Terminal Units (VAV's)



EH Price Gulf VAV (Variable Air Volume) systems optimize energy efficiency and indoor air quality by dynamically adjusting airflow based on specific thermal loads. These advanced systems reduce energy consumption while maintaining comfort levels through integrated controls and sensors. Their robust construction makes them ideal for commercial buildings, promoting sustainability and lowering operational costs while ensuring a comfortable environment.

Fire and Smoke Dampers



Low-leakage fire dampers from e.h.price Gulf comply with ANSI/UL 555 standards, offering a 1.5-hour fire rating for static and dynamic systems. They feature roll-formed galvanized or stainless-steel frames and curtain-type blades with safety edges, stainless steel springs, and a UL-listed 165°F fusible link. Optional configurations include factory-supplied sleeves, a 3-hour fire rating and a 212°F fusible link. Fire dampers comply with UL555 & UL555S standards, offering up to 3-hour fire ratings, Class I leakage & vertical installation. Features include a 16-gauge galvanized frame, triple V-groove blades, 165°F UL-listed fusible links, and Honeywell actuators (230V/24V).

FAHU / ERU / AHU / FCU



Air Handling Units
with Heat Recovery



ISO 9001 : 2015



Fan Coil Units



ISO 14001 : 2015



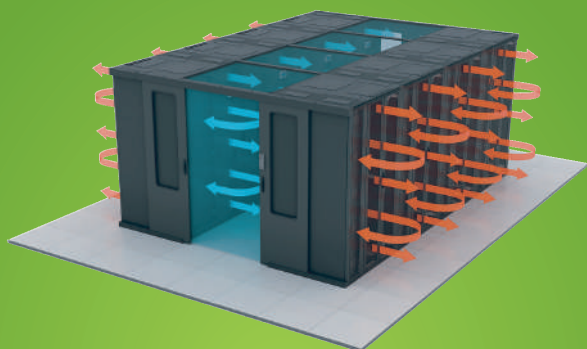
Cooling Coil



ISO 45001 : 2018

Our Air Handling Units are Eurovent certified with one of the best mechanical performances as per EN1886 & are provided with AMCA certified fans for superior performance and UL certified filters for higher dust holding capacity with lower pressure drop. EC/DC fan coil units (FCUs) are designed to Deliver a SFP value as per green building regulations. Custom built fan coil units are built with AHRI 410 certified cooling coils and performance tested in our psychrometric testing laboratory. Trosten is one of very few local Fan Coil Units manufacturers in the GCC region

CRAC / CCU / Precision Units



For 40 years MONTAIR has been the name of excellence in precision air conditioning in high technology environments: Close Control units for technical applications such as Server Rooms and Telecommunication Plants A Computer Room Air Conditioning (CRAC) unit is designed for applications where close control, high precision air conditioning is essential, including data centre cooling, medium & low density server environments, telecom switching stations, medical operating theatres & clean room environments.

ARES - Plate Heat Exchanger



ARES PHE is a Heat Exchanger leading company with a vision to deliver reliable and long-lasting heat transfer solutions to their esteemed customer in all over the world. Its 30 year experience with the help of its highly experienced staff in the challenging uncompromising and competitive markets made one of the top plate heat exchanger manufacturers around the globe. Our effort for continuous improvement leads us to find the necessary features for durability, reliability and satisfactory performance over the lifetime of the heat exchanger.

Humidifier



For a wide range of buildings, including health care, commercial, industrial, and government facilities. Easy installation and minimal maintenance make DE Series one of the most affordable humidification systems to purchase and install.

1. Accurate, responsive RH control with PID tuning for maximum performance.
2. Easy-to-use menus for all humidifier functions.
3. Modbus, BACnet, or LonTalk allow interoperability with multiple building automation systems. Modbus is standard, and BACnet or LonTalk are available options.

Package Units



TROSTEN

Our Roof Top Package Unit (RTPU) is engineered for Qatar's extreme climate, delivering exceptional reliability, efficiency, and performance. Optimized for the country's unique temperature and humidity conditions, our RTPU provides superior cooling, minimal energy consumption, and reduced maintenance.

Service & Maintenance Works



We Specialize in servicing equipment such as Air Cooled & Water-cooled Chillers, Chilled Water Pumps, Heat Pumps, Dehumidifiers, CRAC Units, AHU/FCU, Package Units, etc. We do AMC Contracts, PMC Contracts, Equipment Replacements, and Energy Efficiency Improvements for HVAC Equipments. Our expert technical team ensures the Machine is retained in good working condition at all times with good maintenance and proper fault finding. We do Start-up and T&C activities.

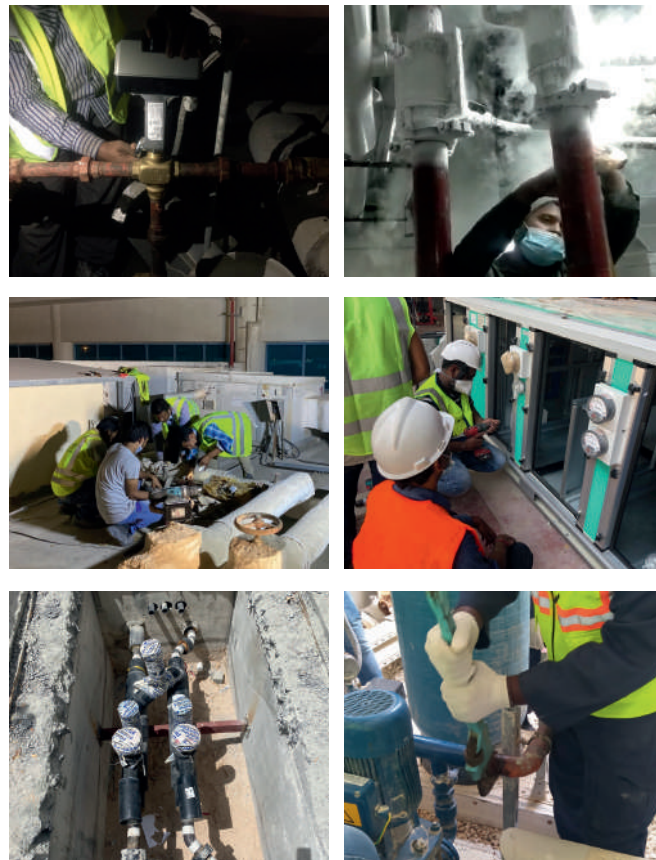
ETS Station, HVAC Projects



We Undertake ETS Station Works and HVAC Projects for Control Command Centre buildings, Swimming Pool room Cooling & Dehumidification, Fit-Out Projects, Office Buildings, Palace, Restaurants, etc. Our Team Specializes in Designing, Engineering, Supply, Installation, T&C, and Handing Over HVAC systems. Our Unique Strength is our Strong product Knowledge of HVAC systems combined with the Best Practice Installation Methods, which offer our Clients the Best Experience and Value for their Money Spent.

Installation Projects

We undertake Chilled water Pipe Freezing works for Isolation and Hot Tapping Projects for Introducing new systems on the existing lines without Shutdown.



We are a Specialized Installation Contractor for the installation of Bulk water Meter, Kharama water meters, Chilled Water Valves replacement jobs, Underground Chilled water Piping, High Side Equipment Installation such as Chillers, AHU & Heat pumps, Under Floor Heating, and Under Floor Cooling.

HVAC Products & Spare Parts



All Kinds of HVAC Spare Parts are available ranging from but not limited to Filters, Compressors, Refrigerant, Actuators and Valves. All kinds of replacement materials for Air Conditioning, Ventilation System and Refrigeration are Available.

UNIT CONVERSION

Distance /Length	
1 meter (m)	= 100 centimeter (cm)
1 centimeter (cm)	= 10 millimeter (mm)
1 meter (m)	= 1000 millimeter (mm)
1 meter (m)	= 3.28 feet (ft)
1 foot (ft)	= 12 inches (in)
1 inch (in)	= 25.4 millimeter (mm)
1 yard (yd)	= 3 feet (ft)

Area	
1 meter ² (m ²)	= 10.76 feet ² (ft ²)
1 squarekm (km ²)	= 100 hectare (ha)
1 hectare (ha)	= 10,000 (m ²)
1 hectare (ha)	= 2.47 acre (ac)
1 acre (ac)	= 4046.86 (m ²)
1 meter ² (m ²)	= 10,000 (cm ²)
1 meter ² (m ²)	= 1.196 yard ² (yd ²)

Flow	
1 meter ³ /Sec (m ³ /s)	= 3600 metre ³ /hr. (cmh)
1 meter ³ /Sec (m ³ /s)	= 1000 litres/sec. (l/s)
1 litre/Sec (l/s)	= 3.6 meter ³ /hr. (cmh)
1 litre/Sec (l/s)	= 15.85 gallon (us)/min.
1 litre/Sec (l/s)	= 2.1188 ft ³ /min. (cfm)
1 cu. foot/min. (cfm)	= 1.699 meter ³ /hr. (cmh)
1 cu. foot/min. (cfm)	= 0.000472 (m ³ /sec)

Temperature	
(degree c(°c) x 1.8) + 32	= degree f (°f)
1°c	= 33.8°f
100°c	= 212°f
1°c	= 274.15 kelvin (k)
(degree c(°c) + 273.15)	= kelvin (k)
(degree c(°c) x 1.8) + 49	= rankine (°r)

Volume	
1 meter ³ (m ³)	= 1000 litres (it)
1 meter ³ (m ³)	= 35.31 feet ³ (ft ³)
1 meter ³ (m ³)	= 264.2 gallon (us)
1 gallon (us)	= 3.785 litres (lt)
1 gallon (us)	= 0.134 feet ³ (ft ³)
1 gallon (us)	= 231 inch ³ (in ³)

Pressure	
1atmosphere(atm)	= 1.013 bar
1 bar (bar)	=14.5038 pound per inch ² (psi)
1 bar (bar)	= 1.019 kgf/cm ²
1 bar (bar)	= 29.53 in. of mercury (in.hg)
1 bar (bar)	= 100 kilopascal (kpa)
1 kilopascal (kpa)	= 102 mm h ₂ o

Power	
1 ton(refrigeration)	= 12,000 btu/hr
1 ton(refrigeration)	= 3026 kilocalorie/hour
1 ton(refrigeration)	= 3.517 kilowatt (kw)
1 ton(refrigeration)	= 4.782 horsepower (hp)
1 kilowatt(kw)	= 1.36 horsepower (hp)
1 horsepower (hp)	= 0.7355 kilowatt (kw)

Velocity	
1 m/sec	= 196.85 ft/min
1 m/sec	= 3.28 ft/sec
1 m/sec	= 2.24 miles/hour
1 m/sec	= 65.6 yards/minute
1 m/sec	= 3.6 Km/hour
1 Knot	= 1.852 Km/hour

Weight / Mass	
1 metric tonne(mt)	= 1000 kilogram (kg)
1 kilogram (kg)	= 1000 gram (g)
1 kilogram (kg)	= 2.20 pound (ib)
1 pound (ib)	= 16 ounce
1 pound (ib)	= 7000 grains
1 quintal	= 100 kilogram (kg)

AIR CONDITIONING FORMULA

SI Units

Sensible Load (kW)	$\rho \times Q(\text{m}^3/\text{s}) \times \Delta T(^{\circ}\text{C}) \times C_p$
Total Load (kW)	$\rho \times Q(\text{m}^3/\text{s}) \times \Delta h(\text{KJ/Kg})$
Latent Load(kW)	$\rho \times 2454 \times Q(\text{m}^3/\text{s}) \times \Delta w(\text{kg/kg})$
where:	
ΔT temperature difference, °C	
Δw moisture concentration diff, kg water/kg dry air	

Properties of air

Density of air (ρ) @ 20°C	1.204 Kg/m ³
Specific Heat Capacity (Cp)	1.006 kJ/kg°C
where:	
Δh enthalpy difference, KJ/kg	
Q is flow rate of air in m ³ /sec	

In Imperial Units

Sensible Load (Btu/hr.)	$1.08 \times Q(\text{CFM}) \times \Delta T(^{\circ}\text{F})$
Total Load (Btu/hr.)	$4.5 \times Q(\text{CFM}) \times \Delta h(\text{btu/lb})$
Latent Load, LH	$4840 \times Q(\text{CFM}) \times \Delta w(\text{lb/lb})$
Latent Load LH	$0.68 \times Q(\text{CFM}) \times \Delta w(\text{gr/lb})$
where:	
Δw_{gr} humidity ratio difference, grains water/lb dry air	
Δw_{lb} humidity ratio difference, lb water/lb dry air	

COOLING CAPACITY FORMULA

SI Units

$Q = \dot{m} \times C_p \times \Delta T$
Cooling Load (kW) = Water Flow (m ³ /s) x
1000 (Kg/m ³) x 4.186 (kJ/kgK) x ΔT (Inlet
Temp. oC - Outlet Temp oC)

Properties of water

Cp (Specific Heat Capacity) = 4.186 kJ/kgK
ρ (Density of water) = 1000 Kg/m ³
\dot{m} (Mass Flowrate in kg/s) = ρ (density in
Kg/m ³) x AV (Volume flow rate in m ³ /s)

In Imperial Units

Cooling Load(Btu/hr)=500 x Flow (USGPM)x
$\Delta T(^{\circ}\text{F})$
Where, ΔT (delta T) is the temperature
change [°F]
Cooling Capacity (Ton) = Water Flow rate
(USGPM) x ΔT (°F) / 24

Pump Power Formulae

Pump (BHP) = [Flowrate (USGPM) x Head
(ft. wg) x Specific Gravity(of Fluid)] ÷ [3960 x
Pump Efficiency]
Pump Power (kW) = [Flowrate (m ³ /hr) x Head
(in m) x Specific Gravity(of Fluid)] ÷ [367 x
Pump Efficiency]

Fan Power Calculation

Fan (BHP) = [CFM x Total Pressure (inches
wg)] ÷ [6343 x Efficiency]
Fan (W) = [(m ³ /sec) x Total Pressure (Pa)] ÷
[Efficiency]

Electric Heater Formulae

Load Requirement (kW) = [CFM x Temp.
Rise] ÷ [3160]
Line Current (1 phase) Amps = [(kW x 1000)
÷ Volts]
(For 3 phase) Amps = [(kW x 1000) ÷ (Volts x
1.73)]

Our Prestigious Clients



Client Testimonials

“ We are extremely satisfied with Microwell dehumidifiers and the after-sales service from Maven Trading.

Mohammed Ali Al-Khaldy

“ Maven offers excellent service and supported us with products that can arrest kitchen exhaust odour.

Ahmed Badr
Salam Industries

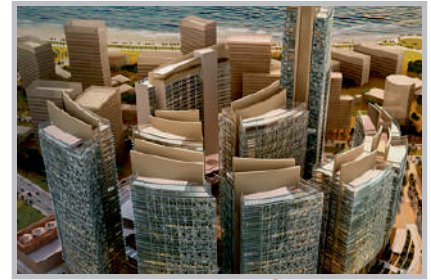
“ We are delighted and completely satisfied with the professional and outstanding services rendered by M/s Maven for Lusail Command Control Central project.

Laxman
kurmapu

Many More...

Our Few Project Reference

QPD Project



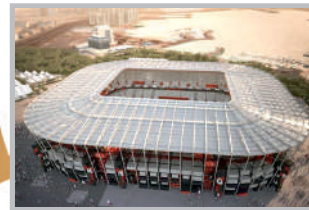
Lusail Stadium



Katara Twin Tower



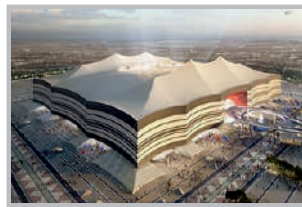
Alar Hotel



Ras Abu Aboud Stadium



NFE Project



Al Bayt Stadium



Qatar Foundation Stadium



Qrail Metro



Doha International Airport



Al Thumama Stadium



Ryyan Water Factory



Lusail Control Centre Building



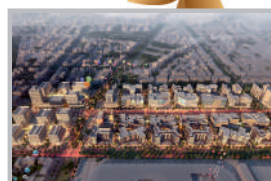
321 Sports Museum



Doha Oasis



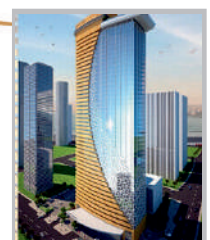
Qatar Steel



Commercial Boulevard 18 Tower



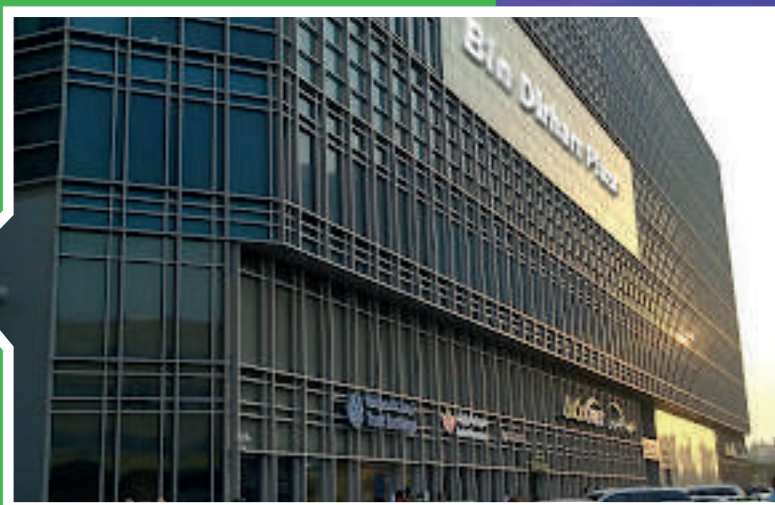
Qatar Academy Sidra Infrastructure



Al Brooqs Tower West Bay

Many more...

Maven's Prestigious Reference List



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