

Bringing technology to safety & comfort



Air Conditioning & Ventilation Equipments
Car Park Ventilation Systems
Smoke Management Systems
Cooling Towers
Solar / Electric Water Heating & Plumbing Systems
Noise & Vibration Solutions
CFD Analysis & Consulting Services

Impulse and Induction Car Park Ventilation Systems

Elta Fans Ltd – UK:

The JetVent axial impulse fan range comprises several standard and non-standard sizes. They are provided with either uni-directional or truly reversible airflow, as well as a number of optional ancillaries.

The JetVent centrifugal induction fan range comprises two standard sizes, 50N and 100N, both with uni-directional air flow. JetVents are independently tested to meet the exacting standards of EN12101-3:2002 for operating at 300°C for 2hours.

Metco qatar provides a scheme design to suit the exact requirements of any project.

Metco qatar Car Park Ventilation Systems include one or more of the following elements:

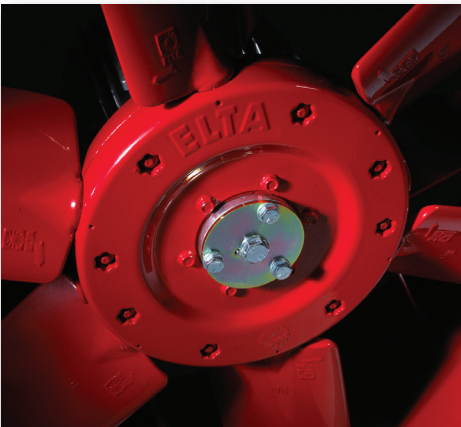
- Mechanical and natural inlet through the entrance/exit ramps/fixed ventilation louvres.
- Extract by a ducted system with dual fans discharging to atmosphere.
- Air distribution and mixing within the car park by a network of Impulse or Induction fans.
- CO Monitoring and control Systems.



Car Park Ventilation with Axial jet fans



Impulse fan



Smokevent Axial fan



Induction fan



Al Nakheel Tower - West Bay, Doha



Al Fardan PDI Center - Industrial Area, Doha

Complete Solution For Car Park Ventilation Systems

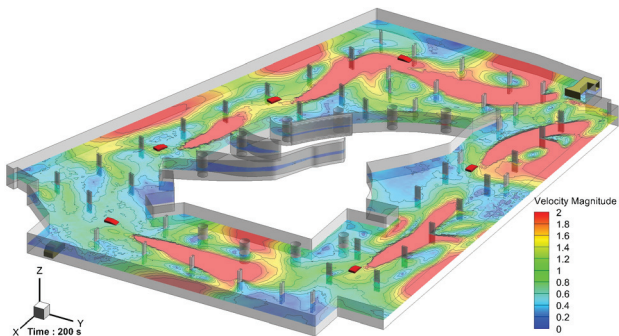
- Design drawing for CDD Approval



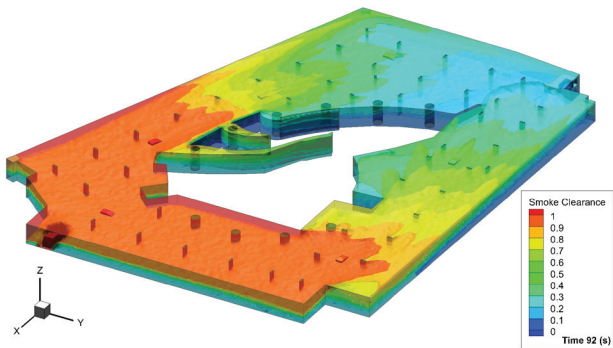
- CO monitoring System



- CFD Analysis

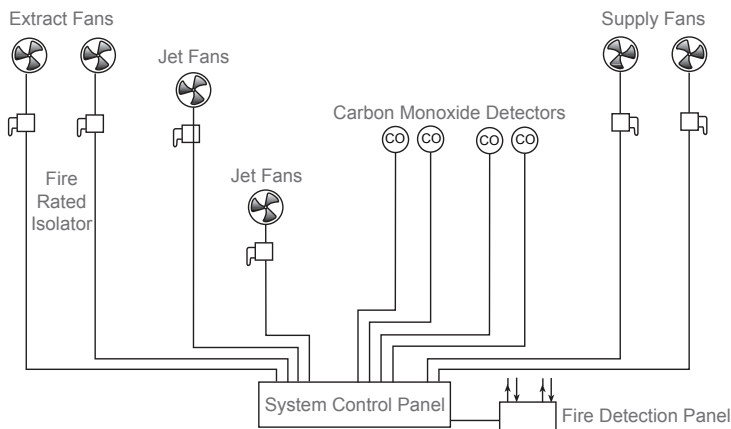


countours of velocity at fan level



contours of smoke clearance

- Supply of fans and control systems



Control Panel

EN12101-3
300°C / 400°C 2hrs

LPCB

Assessed to ISO 9001
LPCB Ref. no. 854

UKAS
QUALITY
MANAGEMENT
007

CIBSE

PATRONS

A member of
HEVAC ASSOCIATION

BSI

UKAS
QUALITY
MANAGEMENT
003

BS EN ISO 9001:2008

BSRIA

Member

amca

MEMBER

CE

Smoke Management Systems

Colt Group – UK



Smoke containment systems prevent the movement of smoke and heat from one area to another. These take the form of physical barriers either as smoke curtains or fire curtains, or as pressure differential systems, also known as pressurization systems.

Metco qatar offers:

- Scheme design of all types of Smoke and Heat Exhaust Ventilation Systems (SHEVS - smoke vent).
- Scheme design of pressurization systems.
- Scheme design of smoke containment sys
- Provision of performance specifications.
- Supply, testing and commissioning of systems, including all necessary controls, which will be designed to interface with others' control systems.

Smoke Control Products:

Smokemaster is an automatically operating smoke curtain designed for the channelling or containment of smoke in the event of a fire.

Seefire is a natural louvered ventilator which can provide both day to day and smoke ventilation.

Kameleon is a thermally broken glazed casement ventilator designed to provide smoke ventilation of corridors and stairwells in the event of a fire, as well as day to day ventilation. It has a slim profile and a discreet window appearance.



EuroCO / EN Seefire -
Natural Ventilator



FCO - Inlet Ventilator



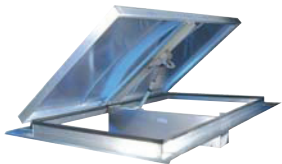
WCO -
Natural Weathered Ventilator



Coltlite -
Natural Glazed Ventilator



AFC -
Natural Ventilator



Meteor -
Natural Ventilator



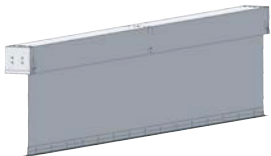
Firelight -
Natural Ventilator



Weatherlite -
Ventilated Upstand



MF -
Natural Weathered Ventilator



Smokemaster -
Smoke Curtain



Firepath -
Fire Curtain



Pneumatic Control Systems



OPV -
Control System



ICS 4-Link -
Control System



Cooling Towers

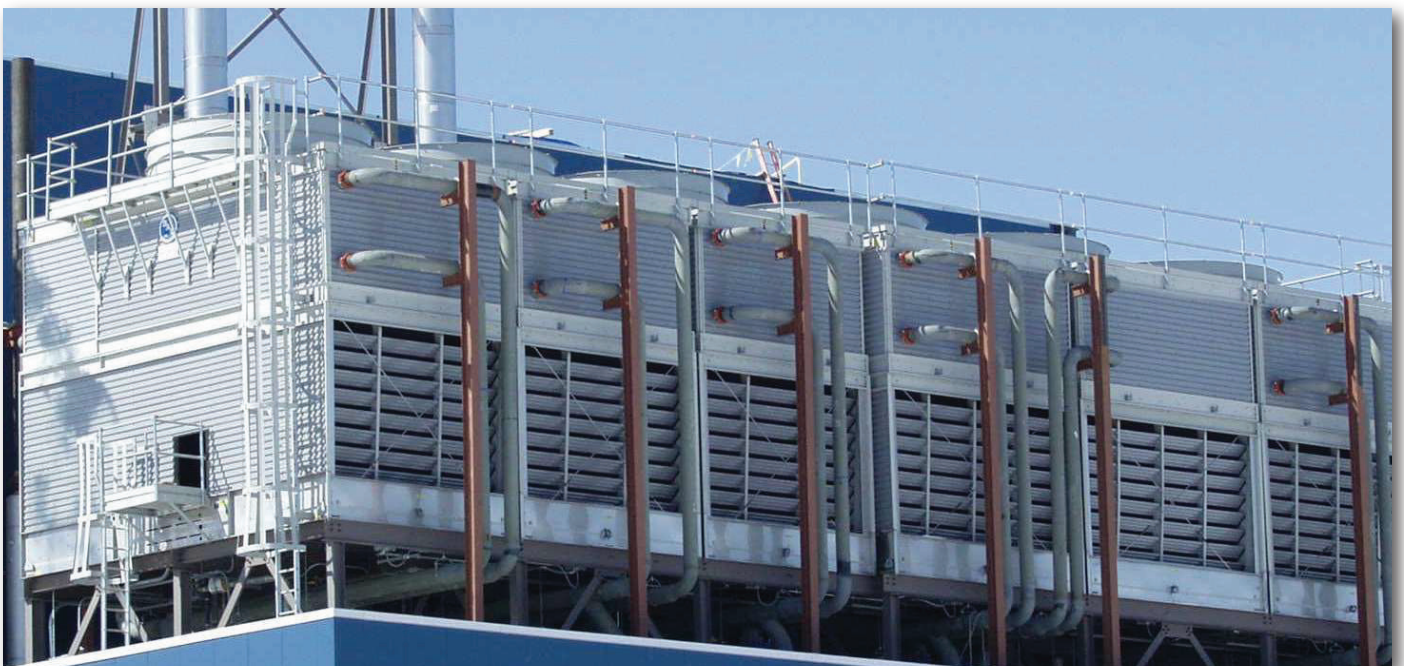
- **Baltimore Aircoil Co. - Belgium / USA**

Baltimore Aircoil is a worldwide manufacturer and marketer of heat transfer and ice thermal storage products that conserve resources and respect the environment. Serving air conditioning, refrigeration, industrial process and power generation customers.



The evaporative cooling and thermal storage products made by BAC are used in HVAC applications around the world. Cooling towers and closed circuit cooling towers are used for condenser water cooling for packaged chiller.

Evaporative condensers are used in large built-up air conditioning systems where they can offer performance advantages unmatched by water-cooled or air-cooled packaged chillers.



Air-conditioning and Ventilation Systems

• Elta Fans Ltd. - UK

Elta provides a comprehensive range of industrial, commercial and domestic ventilation products directly from stock, as well as larger standard and specialist products ranging from ATEX requirements and car park ventilation to emergency smoke extract applications.



Axial fan



Box fan

• Poolpak - USA

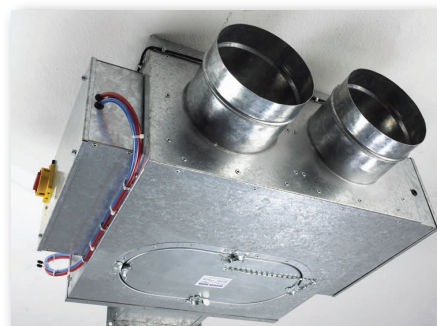
PoolPak is the most recognized name when it comes to indoor pool comfort. PoolPak has the proven approach to protect your investment, whether it is a pool facility, artifact storage room or critical room environment. PoolPak equipment is the choice of architects and design engineers because of its rugged construction, dependable operation and superior performance.



Indoor Swimming Pool Dehumidification Units

• Carnes - USA

Established over 70 years ago, Carnes is a member of the Air Conditioning and Refrigeration Institute (ARI) and the Air Movement Control Association (AMCA) and maintains certified catalog performance in relevant product groups for the highest assurance of performance accuracy.



VAV terminal Unit

Carnes variable air volume terminal units accurately regulate airflow for maximum occupant comfort. Our Terminal Units are built to provide very low pressure drop and sound levels which are certified by ARI. A wide range of models, accessories, and options are available.

• Gamma line - KSA

Air outlets from anodized aluminum profiles for air conditioning and ventilation applications.



• Cooling Industries Company - Jordan

Air outlets from anodized aluminum profiles for air conditioning and ventilation applications.



Air Diffuser



Circular Air Diffuser

Water Heating Systems

- Solar Water Heating Systems, Boilers and Calorifiers



Solar Water Heater



Calorifier



Solar Panels

- Ariston Thermo Group - Italy

The name Ariston began in 1960 and is known by its consumers as one of the biggest leading brands that makes life more comfortable and technically elevated not only in Italy but all around the world. A lot of care has always been taken in its design, in its innovation and in respecting the environment.



Ariston Thermo group offers complete range of heating and hot water products, systems and services designed to provide the maximum degree of comfort with the minimum use of energy.



Electric Heater

Chilled Water System Accessories & Valves

• Reflex - Germany

The Reflex brand name is well known in Europe and throughout the world. The high-performance range of products provided by our company, the "Reflex Winkelmann GmbH + Co. KG" with its headquarters in the Westfalian city of Ahlen, comprises approved and innovative products of heating, energy and systems: Diaphragm expansion vessels, compressor and pump - controlled Pressurization systems, Deaeration and Water make-up systems as well as Heat exchanger systems.

reflex

Throughout a continuous dialogue between science and practice for decades Reflex achieved its know-how in the fields of development, manufacturing and sales and distribution, which is much valued by our customers.



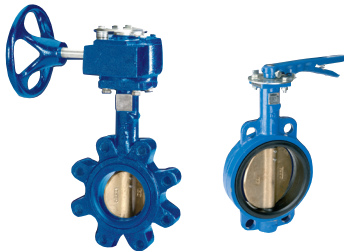
Pressurization Units

Expansion and Pressure Vessels

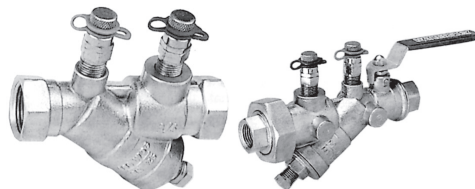
• Valves

Metco supplies a complete range of cast iron and bronze valves for fluid flow control

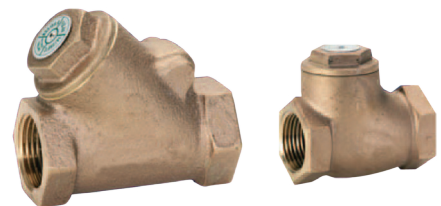
• Butterfly Valves



• Flow Control Valves



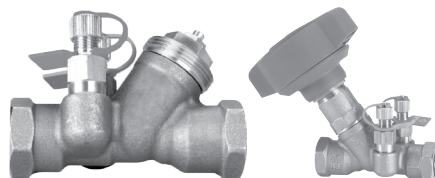
• Strainer



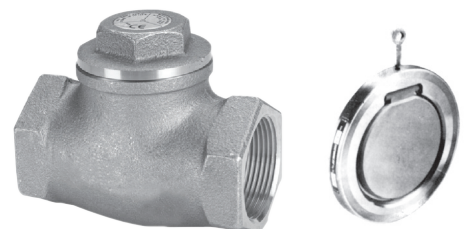
• Gate Valves



• Double Regulating Valves



• Check Valves



Pipes and Fittings

• Hakan Plastik - Turkey

Hakan is one of Europe's leading suppliers of plastic pipe systems, which is currently located in Turkey. Hakan manufacture and market a wide range of quality pipe systems, providing tailor-made solutions for municipal infrastructure as well as for the industrial and house-building sectors. Hakan has been accomplished manufacturing processes with its state-of-art technology since 1965.



Low noise pipes & fittings

• Borplus PPR pipes and fittings

The Bor plus system is designed for building new systems and renovation of existing installations: water (hot and cold water), heating (radiator heating) and cooling (ice water).



It is manufactured of type 3 polypropylene (PP-R), which is characterized by resistance to simultaneous and long-term impact of temperature, pressure of transported medium, corrosion and more than 300 chemicals at varying temperatures.



PPR pipes & fittings

• Unidelta PEX pipes and fitting - Italy

Set up in 1973, UNIDELTA S.p.A. makes high- and low-density cross-linked polyethylene piping for aqueducts, gas pipelines, irrigation systems, fire hoses, drainage systems and heating systems.



UNIDELTA today is a leader in plumbing and heating systems thanks to its vast know-how gleaned in over thirty years of experience, a guarantee of superior quality, certified at all stages of the production process (UNI EN ISO 9001:2000) and for all products.



Cross-linked Polyethylene pipes

METCO QATAR W.L.L.

Metco qatar W.L.L. has been established in Qatar by qualified management and engineers with more than 10 years experience in mechanical engineering field. Metco qatar deals with a varied range of HVAC and Plumbing products, namely – such as air handling and air conditioning equipments; car park ventilation systems, ventilation fans, air distribution products, VAV and CAV terminals, valves, water supply and low noise drainage systems. The name and business strength that has been earned by our organization during a very short time, is due to the professionally equipped and able staff, who have a varied experience of the Qatari market and very good knowledge of serving the customers to their satisfaction.

The company activities are:

- Design and supply of air conditioning systems and air quality equipments.
- Design and supply of car park ventilation systems and smoke management systems.
- Supply of air exhaust and supply equipments.
- Engineering and supply of domestic water and drainage networks.
- Engineering and supply of electric and solar water heating systems.
- Supply of control devices for mechanical systems.
- CFD analysis for buildings & industrial problems.

Our Vision

- To be the market leader in every product we supply to the building service industry

Our Mission

- Providing to our clients competitive and premium quality equipments and services.
- Maintaining close relationships with clients, consultants and strong market coverage.
- Trained, knowledgeable and committed staff with strong synergy.
- Seeking growth through new ideas, products and market expansion.
- Continuous improvement of business processes.
- Prompt and efficient after sales service.

Our Value

We are committed to forge a corporate culture comprising of:

- An unrelenting vow to equality and respect to our employees.
- Honoring our commitment to customers with helpful and cooperative attitude
- Integrity in dealing with suppliers and society.
- A persistent pledge to health & safety
- An enduring promotion of ownership, continual improvement and accountability.
- Commitment to quality & pride in the products we offer.

Our Projects

1. Shafallah Center for Children With Special Needs

2. Cultural Village Phase II

3. Al-Nasr Twin Towers

4. QNB Main Branch

5. Al Markhiyah Mall

6. Khalifa Hotel / Aspire Hotel

7. Bilal Plaza

8. Qatar University- School of Business

9. NDIA Ras Abu Aboud Tunnel

10. Al Sharif Tower

11. QNB Ein Khaled Branch

12. DIA-East Bus Apron

13. Carnegie Mellon University - QF

14. Qatar University - Central Service Unit

15. AMPHITHEATER & HOTEL @ GR HAMAD ST

16. CENTRAL LAUNDRY AY INDUSTRIAL AREA

17. Barwa City - District Cooling Plant

18. Ministry of Interior - Drugs/Criminal Investigation Bldgs.

19. Qatar University - New Research Building

20. Al Mansori Tower

21. Al Nour Tower

22. QP Mesaieed International & Community School

23. Jasmine Tower

24. Golden Tower

25. Qatar University - Library Building

26. Civil Defense Head Quarters

27. Algerian Embassy

28. DIA - Extension for Security Room

29. Traders Hotel - CPVS

30. Barwa Utility Center

31. Qatar Power Transmission - System Expansion Phase IX - Old

32. Al Dareen Tower

33. RESIDENTIAL & COMMERCIAL BUILDINGS @ ALMIRQAB

34. Golden Tower

35. Al Faisal Tower

36. PDI Centre - AL FARDAN MOTORS

37. Tivoli Showroom

38. The Pearl Qatar - Jumana Tower

39. Business Park & Hotel Facilities

40. Al Sabban Towers Car Park

41. Woqod Tower

42. Al Zamil Hotel

43. Nakheel Tower

44. Arwa Tower



Cooling Industries Company

