

Design:

We survey and design Air Conditioning systems to suit clients requirements.

Installation:

Only qualified and experienced technicians install all systems.

Services:

We provide specifically designed after sales services.



Benefits of Air Conditioning:

- Accurate year round temperature
- Virtually instant heating and cooling benefits
- Reliable & low maintenance
- Space saving & economical
- Easily removed and re-installed
- BMS or Time clock controlled
- Filtered air control
- Low running costs
- Quick & simple installation
- Controllers can be wall fixed or locked away

Our range includes:

- Rooftop Packaged units
- Low temperature units
- VRV & VRF Systems
- Lossnay Heat Recovery Ventilation
- Multi-Split Systems
- Chillers & Condensers
- Fan Coil Units

CHILLERS

The range of chillers come complete with:

- Embossed aluminium panelling
- Electronic fan speed control
- Microprocessor control regulation and protection
- Noise insulation of the compressor
- Automatic circuit breaker with safety door interlock
- Scroll compressor
- Available from 5kW upwards to 1500kW



Stainless Steel A/c units:

Food preparation areas should be maintained at lower temperatures than can be achieved with standard air conditioning. Airconmech Ltd use systems designed specifically for this purpose manufactured from stainless steel.

The characteristics of the system used by Airconmech Ltd include:

- Weatherproof painted cabinet, with low profile wipe clean fascia
- Controls between 19C° and 28C°
- Low velocity four way air distribution
- Easy access for maintenance
- Up to 100 metres pipe run

The outdoor unit has a small footprint and can be installed on the roof, at ground level, or with brackets on the wall.

The units can also be stacked if required.

CITY MULTI:

Powerful systems perfect for large offices, apartment blocks and shopping centres, City Multi takes energy efficiency and emission control to new levels. Its two pipe-heat recovery system is unique and its benefits equally so.



The measure of success:

- Up to 9% more energy efficient than standard systems in the heating season
- Up to 45% more energy efficient than standard systems in the cooling season
- High-energy efficiency makes air conditioning more affordable
- Reduces CO2 emissions
- More lettable floor space – no need for dedicated internal plant rooms
- Adds to the prestige and value of a property portfolio
- Allows for individual billing per tenant-even down to individual fan coils
- Water cooled systems available

LOSSNAY:

Lossnay units are heat recovery units that work in conjunction with Air Conditioning Systems and help reduce running costs and introducing fresh air into the room. The system works by a cross flow total heat exchanger made of specially treated paper plates and fins. Inside every Lossnay unit the fresh air and exhaust air passages are completely separate, allowing fresh air to be pre-conditioned to the temperature and humidity levels of the room air without mixing with the exhaust air. Only fresh air is introduced to the indoor environment.

SPLIT SYSTEM:

Energy Saving Inverter Units

- The best selling split system
- Can re-use existing pipe work when replacing older units
- Indoor units can be one or four way blow cassettes, ducted, wall or ceiling mounted
- Amongst the quietest operating units available
- Ensures quick and simple installation with the minimum of disruption
- Some units can reduce power consumption by up to 70% compared to a previously installed non-inverter model

MINI SPLIT SYSTEMS

- Designed to heat or cool small to medium sized applications
- Versatile yet affordable air conditioning solution
- Quick to install with minimal disruption
- Substantial savings due to its energy efficiency
- Easily operated by a user friendly, hand-held remote controller

ROOFTOP PACKAGES

Rooftop packages provide the client with a cost effective unit that can be adapted prior to delivery to suit the application. The units can be made as cooling only or alternatively include heating via LPG or Natural Gas. There are also Heat pump versions available and many standard ducting configurations.

AIRC  **Mech**
ENGINEERING INTELLIGENT SOLUTIONS

Airconmech Limited

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VENTILATION SERVICES INCLUDE

Design

From initial enquiries and briefings we survey the relevant premises, apportion air exchange rates applicable and design ventilation systems to suit the aesthetics of the building and complying with current building ventilation requirements.

Manufacturing:

We have our own automated plasma duct manufacturing facility specifically designed to conform with the industry standard DW 144. We are agents for the manufacture of Durasteel fire rated ductwork.

Other facilities include the fabrication of stainless steel canopies, kitchen equipment, and accessories, stainless steel ducting and decorative panels together with many other products fabricated from mild steel.



Installation:

We have our own network of nationwide fitters with crews based close to all the centres of development around Ireland. We are national agents for the excellent GIF Ventilated Ceiling system for cooking area ventilation. We are area agents for the Mitsubishi Electric range of air conditioning equipment with approved crews for the fitting of VRF systems.

Commissioning:

This is carried out on completion with full written reports provided as per the original criteria.

We provide full operational and maintenance manuals to each client and we instruct staff on the proper controls and procedures.

Follow-up of H.V.A.C. Systems:

Follow-up calls are made, to ensure everything is working properly and correctly used. Service/Maintenance contracts are offered to each client.

NEW DEVELOPMENTS:

We strive to bring new products and ideas to the marketplace, which is actively pursued in conjunction with our Research and Development plan. Airconmech Ltd has completed many ventilation projects for various businesses and will continue to do so to the highest quality and service possible.



We have expertise in the following facilities:

- Hotels and Conference Centres
- Leisure Centres / Swimming pools
- Pharmaceutical and Chemical Industries
- Public Houses/Nite-clubs
- Cinema Developments
- Factories/Warehouses
- Medical Centres
- Restaurants
- Food Processing Industries
- Office Blocks
- Bakeries
- Retail Outlets
- Showrooms
- Clean Rooms

PUBLIC HOUSE / NITE-CLUBS / RESTAURANTS:

Within the environment of a public house certain odours may arise, causing a need for a proper ventilation system. In today's society people expect to be able to enjoy themselves in a "clean air" environment creating a further need for a well-ventilated premises.



Our experience to date includes some of the following businesses throughout Ireland:

- Annacotty Mill Bar Limerick
- Planxty McGuire's Leitrim
- Centenary Stores Wexford
- Uluru Waterford
- Jack Bailey's Wexford
- Chester Beatty's Wicklow
- Beaumont House Dublin
- Old Court Pub Wicklow
- Mayor Street Bar Dublin



CINEMAS:



We design and install heating and ventilation systems in cinemas throughout Ireland and have a vast amount of experience in this area. Adequate ventilation and proper temperature control is essential for any auditorium.

Running costs are also taken into consideration when designing systems.

Below is a selection of venues we have completed:

- Mahon Point Omniplex Cork
- Santry Omniplex Dublin
- Savoy Cinema Dublin
- Athlone Omniplex Westmeath
- Ballina Cineplex Mayo
- Mullingar Omniplex Westmeath
- Waterford Cineplex Waterford
- Westport Cineplex Mayo
- Wexford Cineplex Wexford

Other cinema developments include:

- Longford • Limerick • Killarney • Kilkenny • Clonmel
 - Wexford • Tralee • Kilkee • Enniscorthy • Carlow
 - Tullamore • Newry • Enniskillen • Lisburn
- and many more

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HOTEL AND CONFERENCE CENTRES

Airconmech Ltd has the capacity to handle any size project whether large, slight renovations or extension works.

We are capable of handling all of the mechanical services of the project and cater for any related work.



Some prestigious projects involving hotels and conference centres include:

- City West Hotel, Dublin
- Ferrycarrig Hotel, Wexford
- Stillorgan Park Hotel, Dublin
- Radisson SAS Hotel, Galway
- Talbot Hotel, Wexford / Carlow
- Castlecourt Hotel, Mayo
- Shandon Court Hotel, Cork
- Ashdown Park Hotel, Wexford
- Arklow Bay Hotel, Wicklow
- Nenagh Lodge Hotel, Tipperary
- Abbey Hotel, Sligo
- Academy Hotel, Dublin
- Dooley's Hotel, Waterford
- Woodstock House Hotel, Clare

LEISURE CENTRES / SWIMMING POOLS

Whether part of a hotel or a stand alone leisure complex, Airconmech Ltd can heat and / or cool the area efficiently ensuring comfort and peace of mind in the knowledge the customer will always be satisfied.

Our systems are not only of the highest quality and standard but they will also fit into the surrounding environment ensuring they do not impact on the visibility of the premises.



A sample list of leisure complex's completed to date include:

- Westwood Leisure Centre, Dublin
- Kelly's Resort Hotel, Wexford
- K Club Swimming Complex, Kildare
- Dromoland Castle, Clare
- Forest Park Leisure Centre, Wexford
- Kilkenny Leisure Centre, Kilkenny
- Tullyvale Leisure Centre, Dublin
- Oranmore Hotel & Leisure Centre, Galway
- Bandon Leisure Centre, Cork
- Mill Race Hotel & Leisure Centre, Wexford

OFFICE DEVELOPMENTS / WAREHOUSING / SHOWROOMS

In respect of office developments, warehousing and showrooms, Airconmech Ltd offers the simple solution at the right price. Whether the problem is a stuffy office, trying to heat a large warehouse or even eliminating condensation for display purposes in a showroom, Airconmech Ltd has the solution.



Over our years of operation we have completed many projects in relation to the above.

Our experience include some of the following:

- Academy Office Development, Dublin
- Chandler House, Limerick
- Department of Agriculture, Wexford
- MSCP Offices, Dublin
- Modus Media, Limerick
- I.D.A. Offices, Waterford
- Glenpatrick Spring Water, Tipperary
- E.S.B. Offices, Limerick
- Bolands Car Showrooms, Wexford
- Shaws HQ, Portlaoise
- Ferrybank Shopping Centre, Waterford
- Thurles Shopping Centre, Tipperary
- GlaxoSmithKline, Dublin

CLEAN ROOM TECHNOLOGY

For applications in Pharmaceutical, Medical, Microelectronics, Research Laboratories, Fine Chemical and Food facilities a more hygienic environment may be required. For this we have a range of options, which includes a range of clean rooms for ultra sterile environment needs.



Our range of clean rooms allow you to control temperature and humidity accurately and they are designed to meet Class 100,000 and 10,000.

Projects to date include:

- Allergan, Wicklow
- Schering Plough, Wicklow
- Pharmacia, Cork
- Honeywell, Wicklow
- Lake Region, Wexford
- Fujisawa, Kerry
- SIFA, Limerick
- Celtic Linen, Wexford

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