

**FRE-SH-AIR**

Bespoke  
air handling  
equipment

a FRESH APPROACH.

**FREDSHAW&CO.**  
specialists in sheetmetal fabrication



## A fresh approach.

Fred Shaw & Co Ltd was established in 1903 as a general sheet metal fabrications company. The company have been involved in ventilation since its foundation when it started manufacturing and installing decorative roof ventilators, which relied on wind patterns and thermal variants to provide air movement (a system which is now in resurgence known as passive ventilation).

The company prides itself on the quantity of repeat business it receives from established customers, many of which are nationally recognised.

The company currently has three, well established divisions >

**FREDSHAW VENTILATION**  
manufacture and installation of ductwork

**Fre-sh-air**  
bespoke air handling equipment

**FRESHcan**  
bespoke kitchen ventilation canopies

**Fre-sh-air Bespoke Air Handling Equipment** is a division of Fred Shaw & Co Ltd, manufacturing bespoke Air Handling products for more than thirty years. The company has the Technical knowledge and manufacturing expertise to offer equipment made to the customers exact needs.

Extensive investment over the years into production facilities including machinery and staff mean that units can be made with short lead times and at very competitive prices.

### Bespoke air handling equipment made to the customers exact needs.

- > No "standard" size restrictions allows total flexibility of design
- > Units can be made to fit your available space and available budget
- > Units can be ordered in any British RAL colour



### Cooling.

- > Chilled Water
- > DX Refrigerant
- > DX packages can be supplied including Air Handling Unit matched with suitable condensing unit including pipe work if required

### Heating.

- > Water
- > Steam
- > Electric
- > Indirect Gas
- > Plate heat exchangers
- > Run-a-round Coils
- > Rotary wheel
- > Mixing box arrangements

### Humidification.

- > Direct or indirect steam

### Heat recovery.

- > Plate heat exchangers
- > Run-a-round Coils
- > Rotary wheel
- > Mixing box arrangements

### Controls packages

- > Fre-sh-air units can be supplied complete with control panels and sensors pre wired at the factory for "plug and play" convenience
- > BMS compatibility with all leading servers

### Packaged units.

- > Fully packaged units complete with condensing section and controls package

### Low profile units.

- > Direct driven low profile units which fit into ceiling voids and other height restricted areas

### Specialist applications.

- > Hospital specifications
- > Swimming pools
- > Coastal locations

### Attenuation.

- > Matching Duct attenuators
- > Attenuators within the units
- > Low break out noise levels with septum plate arrangements available

### Flat pack and assemble on site.

- > Fre-sh-air specialise in flat pack units with build on site
- > Experienced engineers can quickly and reliably build units on site
- > Extremely competitive prices often mean it can be cheaper than crane higher
- > Makes replacement of existing AHU's in "tight access" plant rooms much simpler

### Product development.

- > Fre-sh-air are continuously developing new products and design improvements
- > New ranges of Fre-sh-air products include: Twin fans, roof extract and fresh air input units. Also "plug fan" air handling units with very compact design and easy fan speed control

### Warranties and after sales service.

- > All products carry excellent warranties backed up by a company established for over 100 years
- > Extended warranties available
- > Nation wide service coverage
- > Refurbishment of non Fre-sh-air units
- > Installation and commissioning
- > Service packages

### Testing and commissioning.

- > On site volume tests
- > Commissioning
- > Factory leakage tests
- > Witness testing

### Environmentally aware and energy efficient AHU's.

- > Fre-sh-air use recycled and recyclable materials where ever possible from the recycled aluminium frames to the recycled plastic plate heat exchangers
- > High efficiency fans and motors available
- > Specific fan power values correctly calculated and adhered to
- > Ask about our range of units which incorporate "EC" motors with up to 90% fan efficiency and low cost energy saving speed control
- > High efficiency heat recovery
- > All at low cost so buying a Fre-sh-air AHU will not cost the earth in every sense

[WWW.FREDSHAW.CO.UK](http://www.fredshaw.co.uk)

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