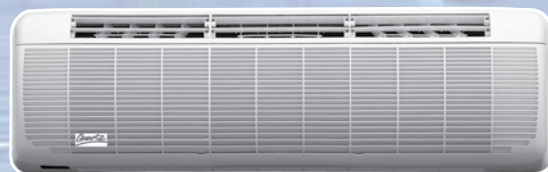


# Quartz

Product Catalogue  
2009



Amber and Sapphire Horizontal Units : LoCO<sub>2</sub> Low Energy Option :  
Amethyst 'Slimline' Units : Diamond Horizontal Airside Control Units :  
Topaz Fan Coil Units : Active Chilled Beam Cassettes : Ceiling Cassettes :  
Plastic Bodied Wall Mounted Units : CD3 Close Control Fan Coil Units :  
Air Cooled and Water Cooled Chillers

Leading the way in Fan Coil Technology

## CWC/H 600

CHILLED WATER CASSETTE 1 to 4kW

600 x 600mm



Ideal for smaller shops and offices, these cassettes are specifically designed to allow installation into a standard suspended ceiling grid.

- Lightweight removable chassis
- 3 or 4 way discharge capability
- Pipe connection for gravity condensate drain (optional pumps)
- LPHW heating circuit (CWCH)
- Low sound levels
- Long life washable filters
- Suitable for branch duct applications
- Fan finger guard
- Fresh air inlet

## CWC/H 875

CHILLED WATER CASSETTE 3.8 to 8kW

SINGLE LARGE DIAMETER FAN



Shopping centres and open plan offices are prime locations for these cassettes, which are designed to facilitate rapid installation.

- Lightweight removable chassis
- 3 or 4 way discharge capability
- Pipe connection for gravity condensate drain (optional pumps)
- LPHW heating circuit (CWCH)
- Low sound levels
- Long life washable filters
- Suitable for branch duct applications
- Fan finger guard
- Fresh air inlet

## CWM

CHILLED WATER WALL MOUNTED UNIT

1.5 to 4.8kW



Hi-level front airflow to minimise drafts and fresh styling, distinguish these units, which are ideal for larger commercial and retail applications.

- High wall mounted hi-level front airflow
- Low sound levels
- Adjustable air deflectors
- Long life, flexible, washable filters

## CBC

CHILLED BEAM CASSETTE

ACTIVE CHILLED BEAM CASSETTE



The Quartz Chilled Beam Cassette (Patent Pending) combines all the proven features of our range of Chilled Water Cassette fan coils, and the benefits of Active Chilled Beams.

- Pipe connection for gravity condensate drain (optional pump)
- Low temperature water can be used
- Low installation cost
- Ultra quiet operation
- High system COP
- Easy filter access
- 4-way discharge
- Integral, easy to clean drain tray
- Ideal for use with 'free cooling' chillers



## SAPPHIRE (NEW)

### HORIZONTAL WATERSIDE CONTROL FAN COIL UNITS

#### 285mm Deep Ducted Fan Coils

A versatile, high power fan coil unit that meets demanding heating and cooling requirements and provides discreet, effective and reliable climate control.

- Low maintenance filters
- Class 'O' fire-rated insulation
- High output 'optimised' components
- Flush panelled, extra rigid casing
- Mitred space saving plenum
- 27 speed auto transformer speed control
- Easy access protected control enclosure
- High performance fans
- **LoCO<sub>2</sub> Low Carbon Option**



## AMBER

### HORIZONTAL WATERSIDE CONTROL FAN COIL UNITS

#### 235mm Deep Ducted Fan Coils

A very compact high power fan coil unit that meets exacting heating, cooling and noise requirements. Units incorporate the patented 'free flow' condensate tray.

- Low maintenance filters
- Class 'O' fire-rated insulation
- High output 'optimised' components
- Flush panelled, extra rigid casing
- Mitred space saving plenum
- 27 speed auto transformer speed control
- Easy access protected control enclosure
- High performance fans
- **LoCO<sub>2</sub> Low Carbon Option**



## AMETHYST

### HORIZONTAL WATERSIDE CONTROL FAN COIL UNITS

#### 175mm Deep Ducted Fan Coils

A 175mm deep slimline version of the very successful Amber range ceiling mounted horizontal fan coil units.

- Low maintenance filters
- Class 'O' fire-rated insulation
- High output 'optimised' components
- Flush panelled, extra rigid casing
- Mitred space saving plenum
- 27 speed auto transformer speed control
- Easy access protected control enclosure
- High performance fans



## DIAMOND

### AIRSIDE CONTROL FAN COIL UNITS

#### 235mm Deep Ducted Fan Coils

An ultra compact, high power fan coil that meets some very exacting heating and cooling requirements, providing discreet, effective climate control

- Low maintenance filters
- Stainless steel removable drain pan
- High efficiency airside control (air path diverter)
- Flush panelled, extra rigid casing
- 27 speed auto transformer speed control
- Class 'O' fire-rated insulation
- Easy access protected control enclosure
- Mitred space saving plenum
- High performance fans

## TOPAZ

### VERTICAL AND HORIZONTAL FAN COIL UNITS

From 1kW to 11kW



Topaz chilled water fan coils have cooling and heating capacities from 1kW to 11kW (at Eurovent conditions) and are available in 12 models.

- Low sound levels
- Multi-speed motor
- Easily removable/washable filters
- Galvanised sheet steel construction
- Chassis and cased versions
- Reduced height versions available where low window sills reduce space
- Bottom air inlet (horizontal versions)
- Right or left hand connections
- Easy installation and maintenance
- Matching chillers available

## CD3

### CHILLED WATER CLOSE CONTROL UNIT

6 TO 20kW



Suitable for computer rooms, laboratories and standards rooms where the close control of temperature and humidity is extremely important.

#### Standard Features

- Microprocessor controls: control tolerance  $\pm 1^{\circ}\text{C}$ ,  $\pm 5\%\text{RH}$
- 4 Capacities in 3 cabinets
- Downflow or upflow versions
- Class 'O' thermal and acoustic insulation
- Discharge plenum (upflow units only)

#### Optional Features

- Condensate pump (5m head with high water alarm)
- High efficiency filters (BS EN 779 F7)
- Top Ducting Spigot
- Electric heating (single or two stages)
- Humidifier and dehumidification control

## CHILLERS

### AIR COOLED CHILLERS AND HEAT PUMPS

From 5 to 480kW



- Units are fitted with scroll compressors
- Polyester powder coated finish
- Mains isolator
- Condenser coil with copper tubes and corrugated aluminium fins with metal protection guard
- Direct drive axial fans (IP54) with overload protection
- Stainless steel plate heat exchanger (AISI316)
- Microprocessor control
- Flow switch
- Heat pump version (H) supplied with a 4 way reversing valve, liquid receiver, second thermostatic expansion valve, automatic defrosting system
- Integrated hydraulic kit version (K) supplied with buffer tank, water pumps
- Extra low noise version
- Free cooling version



**TEV Ltd**

For full design information, reference should be made to the technical manual. We reserve the right to alter designs and specifications at any time without notification.

Approved to  
BS EN ISO 14001:2004



Certificate No. EMS 91502

Approved to  
BS EN ISO 9001:2000



Certificate No. FM 671

Part No: 06617613-03

TEV Ltd, Quartz Division, Armytage Road, Brighouse, West Yorkshire, HD6 1QF, England.  
Tel: +44 (0) 1484 405630 Fax : +44 (0) 870 606 4876 E: sales@quartz.co.uk W: www.quartz.co.uk

FAN COILS : CHILLED WATER CASSETTES : CHILLED BEAM : CHILLERS