



## The Complete Fan Coil Solution



## THE CONCEPT

Quartz products, in almost every situation, are a component of a larger system that has been designed by a consultant, purchased as individual components by a M&E contractor, assembled on site by the M&E contractor and his sub contractors and commissioned by at least one independent commissioning company. If the project is large, witness testing of an assembled fan coil in a situation deemed to be typical of the final installation, is performed. Such an approach requires detailed project management and coordination if it is to proceed on time, on budget and be trouble free. The potential for problems and difficulties is high and the identification and rectification of problems can be difficult. In an attempt to improve the situation and to control the assembly process better, most major M&E companies have developed off site fabrication facilities.

Wouldn't it be  
**brilliant**  
if it came fully  
assembled  
and calibrated,  
**ready to go?**

## WELCOME TO QUARTZ SOLUTIONS

### The Features

Wouldn't it be brilliant if it came fully assembled and calibrated, ready to go? A Quartz Solution does exactly that! It is a completely packaged, fully assembled fan coil system that includes all valves, controls and grilles. The valves are self balancing, factory set to the correct flow rate whilst the fan utilised is of the ec\dc type with a self commissioning controller that is factory set for the correct air flow volume. Added to this are the supply diffusers and return air grilles that have been selected such that the defined noise criteria will be met. Following installation (plug & play), a trained Quartz Solutions engineer will visit site and check over every unit for correct installation.

### The Benefits

- Factory supply and fitting of components dramatically reduces site labour
- Quartz Solutions guarantee means that the client has total peace of mind
- Projects are much easier to manage with resultant reduced risk of over-run
- Self balancing valves reduce/eliminate the requirement for double regulating valves
- Self balancing valves reduce/eliminate the requirement for site commissioning
- Self commissioning fan eliminates/reduces the requirement for air side commissioning
- Quartz Solutions engineering check ensures correct installation every time

## WELCOME TO THE 21ST CENTURY

Contact us to see how Quartz Solutions will save you time, money, heartache and sleepless nights! In future you won't have a problem, Quartz will look after them all!

## CHOOSE YOUR LEVEL OF SOLUTION

It is possible to select varying levels of solution to suit the client. These vary from the most comprehensive (Platinum Level) to the most basic (Bronze level). Details of the packages are below although packages can be adapted to suit individual client needs. It is possible to add further to these (e.g. strainers, binder ports, condensate pumps etc) if desired.

### Platinum Solution

Quartz base product

Ec\dc motor

Motor controller factory set for design air flow

Self-balancing modulating valve(s) factory set for design water flow

Flexible hoses c\w Speedfit connections

**Either** – Open protocol controller with strategy and return air sensor fitted **or** factory fitted, free issued controller and sensors

All grilles and diffusers

Ductwork design

Post Installation, pre-commissioning/handover check

2 year warranty

Performance guarantee

Noise guarantee

Full supporting documentation & drawings

### Silver Solution

Quartz base product

**Either**

Ec\dc motor

Motor controller factory set for design air flow

**Or**

Self-balancing modulating valve(s) factory set for design water flow

Flexible hoses c\w Speedfit connections

**Either** – Open protocol controller with strategy and return air sensor fitted **or** – factory fitted, free issued controller and sensors

Post Installation, pre-commissioning/handover check

2 year warranty

Performance guarantee

Full supporting documentation & drawings

### Gold Solution

Quartz base product

Ec\dc motor

Motor controller factory set for design air flow

Self-balancing modulating valve(s) factory set for design water flow

Flexible hoses c\w Speedfit connections

**Either** – Open protocol controller with strategy and return air sensor fitted **or** factory fitted, free issued controller and sensors

Post Installation, pre-commissioning/handover check

2 year warranty

Performance guarantee

Full supporting documentation & drawings

### Bronze Solution

Quartz base product

**Either**

Ec\dc motor

Motor controller factory set for design air flow

**Or**

Self-balancing modulating valve(s) factory set for design water flow

Flexible hoses c\w Speedfit connections

**Either** – (a) Open protocol controller with strategy and return air sensor fitted **or** – (b) factory fitted, free issued controller and sensors

2 year warranty

Performance guarantee

Full supporting documentation & drawings





Quartz Limited, Armytage Road, Brighouse, West Yorkshire HD6 1QF  
Telephone:+44 (0) 1484 405630 Fax:+44 (0) 870 606 4876 Email: sales@quartz.co.uk

[www.quartz.co.uk](http://www.quartz.co.uk)

A division of TEV Limited