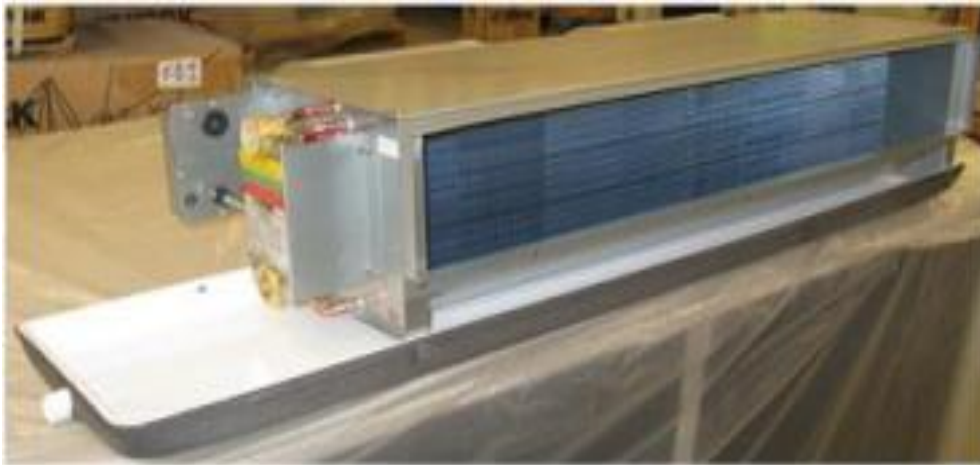


Fan Coil Units



York Fan Coil Unit

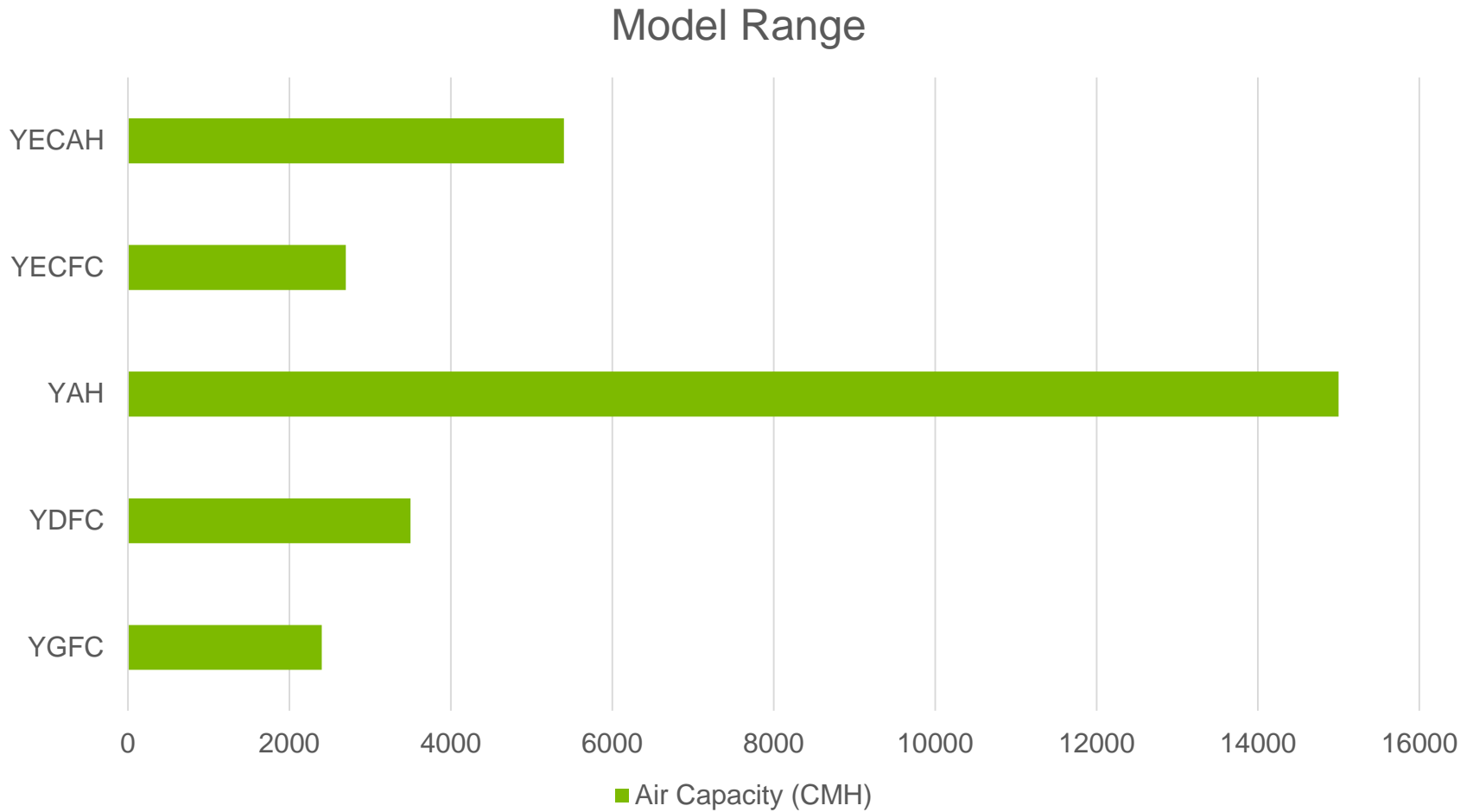


Software



Customers

Model Range of Fan Coil units



YGFC(AC Motor)

- Air flow range: 170 - 2400m³/h
- Cooling capacity: 2.03 - 14.14kW,
Heating capacity: 1.63 – 23.67kW,
- 4 types, 10 basic models (02~14)
 - Ceiling concealed (CC/CB/CD)
 - Ceiling exposed (CE)
 - Vertical concealed (VC)
 - Vertical exposed (VE)
- Std ESP 12Pa, High ESP 30Pa, Ultra-High ESP 50Pa
- Coil: 2/3/4/3+1rows design
- Std hydrophilic Al fin design
- Options: Filters, extended drain pan, return plenum, electric heater, thermostat, TiO₂ air sterilizer , valve package etc.



YGFC BLDC



YGFC (BLDC Motor)

- Air flow range: 170 - 2400m³/h
- Cooling capacity: 2.03 - 14.14kW,
Heating capacity: 1.63 – 23.67kW,
- 10 basic models (02~14),
 - Ceiling concealed (CC)
 - Ceiling concealed with back return plenum(CB)
 - Ceiling concealed with bottom return plenum(CD)
- Static pressure(D for BLDC motor application, can work at rated ESP 12Pa, 30Pa or 50Pa by switching setting in field)
- BLDC motor
- Standard LCD wired controller or LCD touchscreen wired controller
- Coil: 2/3/4/3+1 rows design
- Std hydrophilic Al fin design
- Options: Filters, extended drain pan, return plenum, electric heater, thermostat, TiO₂ air sterilizer , valve package etc.



Features — High Efficiency & Energy Saving

YGFC-H Series

- The high efficiency copper-tube and aluminum-fin heat exchanger is of the cross radiation variety.
- The heat exchanger is equipped with large air flow and low noise fan to enhance the heat transfer, and achieve high heat exchange efficiency.

Only for BLDC Motor Units

- Double the efficiency of AC motor - average power consumption is only 50-70% of AC motor unit.
- In automatic mode, the unit automatically performs stepless adjustment of fan speed, optimizing energy consumption.
- In manual mode, the user can set fan speed as high, medium, or low.



Main Components — BLDC Motor Units



Options Overview

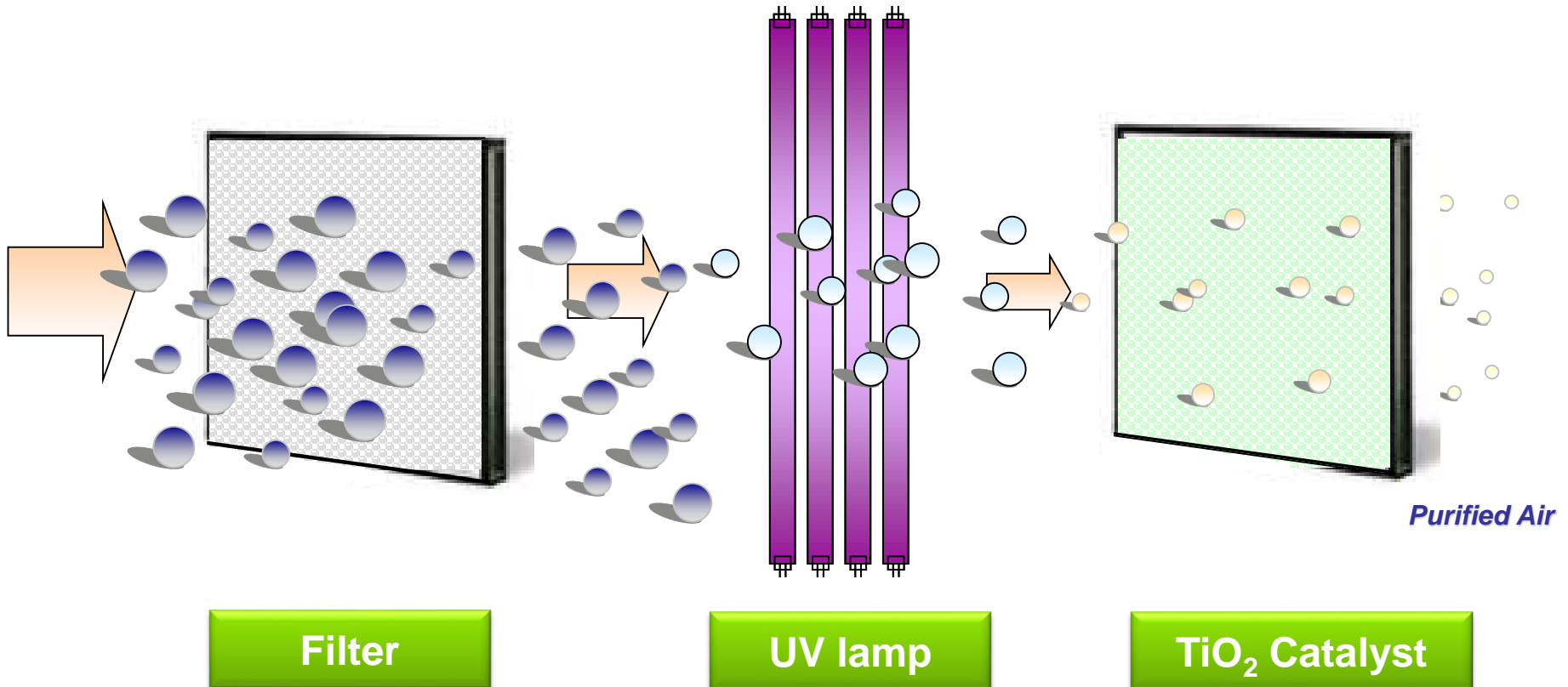
Options

- TiO₂ air sterilizer
- Factory-mounted valve package
- Two/three way electric zone valve (shipped loose)
- LCD & Basic thermostat (for AC motor units)
- Drain pan: extended and/or stainless steel
Stainless steel extended drain pan.
- Filter, Return plenum.
- Modbus protocol through RS485 port allows connection to central Building Automation System. (for BLDC motor units)



Options — TiO₂ Air Sterilizer

TiO₂ Oxidizing Process



Options — TiO₂ Air Sterilizer

TiO₂ Air Sterilizer Function

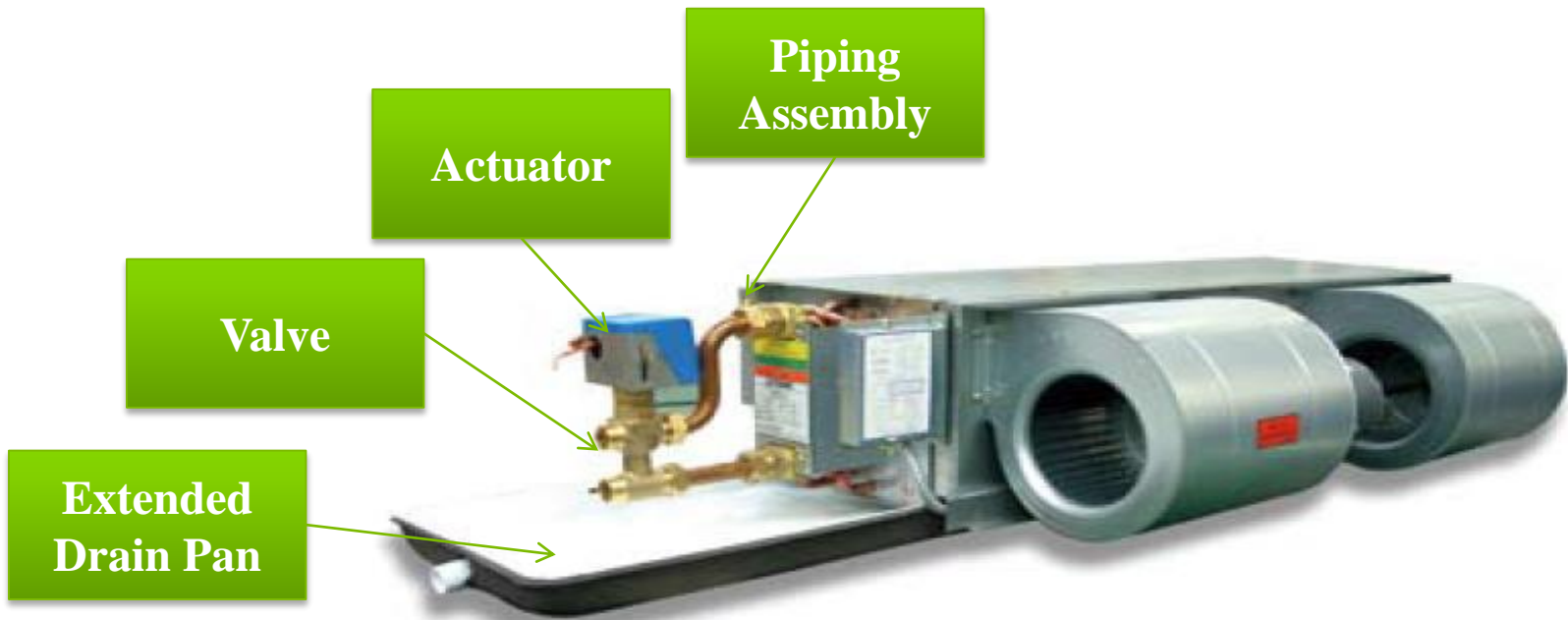
Safely and Efficiently removes microbes and other harmful particles

- Biological pollutant - e.g. bacteria and germs
- Organic pollutant - volatile organic compounds (VOCs) e.g. formaldehyde, benzene...
- Inorganic gaseous pollutant - e.g. NO_x, SO_x ,
- Molds, fungi
- Smoke and unpleasant odors

Options — Valve Package

Application

- YGFC series: CC/CB/CD
- 100mm extended drain pan(or longer) needs to be used.



YGFC(AC Motor)

- Air flow range: 680 - 3500m³/h
- Cooling capacity: 6.89 – 21.21 kW,
Heating capacity: 2.80 – 23.67kW,
- 7 basic models (08~20)
 - Ceiling concealed (CB)
- ESP 0-160Pa
- Coil: 2/3/4/3+1rows design
- Std hydrophilic Al fin design
- Options: Filters, extended drain pan, return plenum, electric heater.



YAH Fan Coil Units



Specification

- Air flow rate range : 1,500-15,000m³/h, 12 models
- **Standard unit: Filter, cooling/heating coil and supply fan function**
- Single skin panel
- Galvanized steel
- **Ceiling installation**
- Coil configurations: standard capacity or high capacity
- Hydrophilic fin for cooling coil
- Belt driven
- IP55 protection & class F insulation IE3 motor

Option

Standard Option

- Multiplier airflow/external total pressure (different motor available)
- Filter class
- Split coil (cooling + heating coil)
- Hydrophilic fin for cooling coil
- Motor Power Supply:
 - 50Hz series: 380~415V/3/50Hz
 - 60Hz series: 230V/3/60Hz, 380V/3/60Hz, 460V/3/60Hz

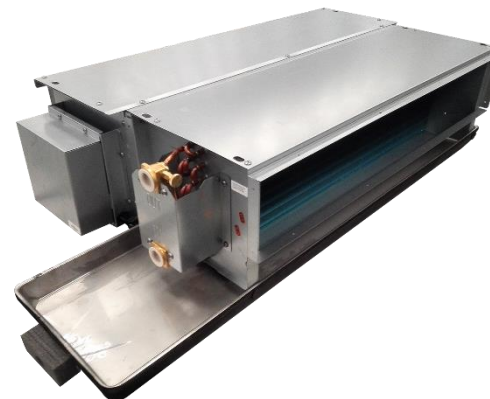


YECFC EC Motor Fan Coil Units



Introduction

- 5 basic models (01~05)
- Air flow range: 150 – 750l/s
- Static pressure range:30-150Pa
- Cooling capacity: 2.34 – 12.55kW
- Heating capacity: 4.2 – 18.5kW
- EC motor with FC DWDI centrifugal fan
- Coil configuration: 3 or 4 rows cooling, optional 1 row heating
- Standard hydrophilic Al fin
- Standard stainless steel extended drain pan
- Standard back return plenum
- Options: 8mm Nylon Filter



Key Features

High Efficiency & Energy Saving

High Technology EC motor

- EC motor overall operating efficiency up to 70% comparing to traditional PSC motor



High Heat Exchange Efficiency

- Optimized coil circuit design adapted to wide delta T application
- Low pressure drop design for energy saving



YECAH EC Motor Fan Coil Units



Introduction

- Air flow range: 750 – 1500l/s
- Cooling capacity: 9.1 – 53.2kW
Heating capacity: 9.9 – 47kW
- 4 basic models (03~06)
- Static pressure range: 175-375Pa
- EC motor with plug fan
- Coil configuration: 4 or 6 rows cooling, optional 1 or 2 rows heating
- Standard hydrophilic Al fin design
- Standard stainless steel drain pan
- Options: G1(Nylon) filter, G1(Aluminum mesh) filter, G3/G4 plate filter



Application

York FCU
Suitable for hospitals, hotels, offices and more!



Thank you!