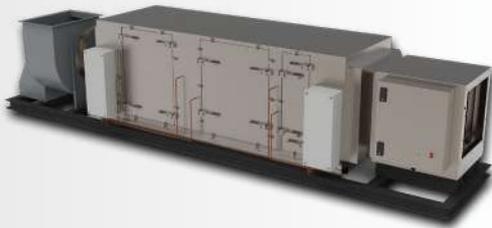


# KITCHEN ECOLOGY UNIT

Certifications



**POLLUTION CONTROL UNIT**



- Solid state, pulse width modulating power supplies
- Deep electrostatic cells with spiked Ionizing blades
- Motorized water wash manifolds with spray nozzles (ESP Section)
- Internal or external installation
- Certification: UL 8782

**BLOWER SECTION**



**Applus<sup>®</sup>**  
F400 Fire Rated Fan

- Centrifugal backward inclined arrangement
- Optional SISW / DIDW type, depending on cooking load.
- Integration with ZOÉ DCKV system.
- Internal or external installation
- UL762 / Fire Rated / Local guidelines
- Certification: UL 705 / UL 762 / UL 783 / Applus F400

**ELECTROSTATIC PRECIPITATOR**



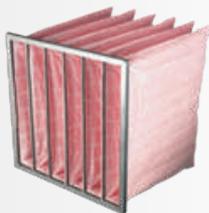
- Solid state power module control
- Ionization section voltage 12000V / 6000V
- Maintenance & fault alarm signal indicators
- Integration with ZOÉ DCKV system
- Applicable standards: UL 867 / CE

**ODOR CONTROL SECTION**



- Multiple technologies for odor control.
- Common technologies used:
- Gas phase filtration
- Ozone Generators
- UV-C Filtration
- Odor Neutralizers / Spray System

**MULTI STAGE PARTICULATE FILTER**



- Removal of coarse, grease and smoke.
- Pressure monitoring across each stage
- Side / Front removal method.
- Applicable standard: UL 900

**OPTIONAL COMPONENTS**



- Fire Dampers / Fire Stat / DPS / DPT / Inspection Window & Light
- Fire Suppression System / Non-return Dampers.

# AIR CONDITIONING

Certifications



**Air Handling Units**



- EUROVENT certified units ( EAPS Range )
- Airflow Range: 500~50,000 CFM
- Dedicated Selection Software - Ecoair Select
- AMCA Certified Blower w/ IE2/IE3 Motors
- AHRI Certified Coils & UL Listed Filters

**Air Cooled Condensing Units**



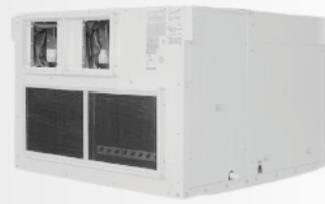
- Capacity Range: 27 kW – 162 kW at T3 conditions.
- Hermetic Sealed Scroll compressor
- Direct drive axial type fans w/ ext. rotor motor
- Refrigerant: R407c, R410a,
- Compliance to ESMA Standard
- Filter drier, side glass, expansion valve, ball valve with charging port

**Fan Coil Units**



- AHRI 440 Certified chilled water fan coil units.
- Static Pressure Range: 0~150 Pa
- Dedicated Selection Software
- Available in Ceiling Concealed, Ducted, Wall Mounted, Decorative & Cassette Units
- Optional features: Double skin panels, Stainless steel drain tray, EC Motors, Powder coated cabinet can be provided.

**Rooftop Package Units**



- Nominal Capacity: 5 – 30 Ton
- Refrigerant: R410a
- Hermetic Sealed Scroll compressor
- Direct drive axial type fans w/ ext. rotor motor
- AMCA Certified Blower w/ IE2/IE3 Motors
- Compliance to ESMA Standard

**VRF Units & Split Units**



- Capacity ranges from 8 HP to 32 HP outdoor unit as a single module with ultra wide operating range of (-5 to 56C) for cooling and (-27 to 26C) for heating.
- VRF outdoor has a wide voltage range, adjustable ESP upto 110Pa with auto restart and auto addressing functions.
- 8 stage oil return technology, duty cycle operation and backup operation, easy installation service.
- ESMA Certified Units

**Energy Recovery Ventilators**



- Uses plate heat exchangers for reliability.
- Airtight separation of outdoor and exhaust air.
- No moving parts for a longer service life.
- ER paper for high moisture permeability and tear resistance.
- Blocks larger-diameter odor molecules for clean fresh air.
- Fashionable and silent with precision molding.
- Employs micro punch anechoic technology for quiet operation.
- Includes a bypass function for versatility.
- High airproof feature for efficiency.
- Designed for easy maintenance.