

# FP Viking Modular Range

## Features and Benefits

- The FP Viking units with their frameless structure achieve parameters according to the European standard EN 1886.
- Mechanical strength Class D1(M)
- Casing air leakage Class L3(M)
- Filter bypass leakage  $k < 1\%$
- Thermal bridging Class TB2(M)
- Thermal transmittance Class T3(M)
- 40/25mm Acoustic insulated casing
- Operation Temperature: -40 to +40°C

## Model Range

Spanning a duty envelope from 0.2 to 1.0m<sup>3</sup>/s FP Viking Air Handling units are available in 2 model sizes.

## Construction

FP Viking Air handling units have a unique modular frameless construction. Modular construction simplifies access/installation with units being delivered in sections for site assembly.

Sandwich construction with 40/25mm rockwool insulation providing high air soundproofing of casing and thermal casing insulation with reduced heat losses.

Connection of sections is simple providing fast and easy installation, and the clean inside surface to the unit, allows easy cleaning.

Units are suitable for internal mounting only, either suspended, floor or wall mounted

Finish: External Zinc coated, internal Zinc coated. Optional External RAL9002, internal Zinc Coated.

Easy accessibility to maintenance sections is provided with inspection doors/panels.

Variability of connections enables specifiers to combine the side of connections & service access enabling optimisation of space & ensure easy access for maintenance.

## Components

- Fans - Belt Drive
- Dampers, Mixing Boxes
- Panel Filters, Bag Filters
- Heating Coils (LPHW, Electric & DX)
- Humidification - Steam
- Cooling Coils (CHW & DX)
- Heat Recovery (Plate & RAC)
- Attenuators

## Configurations

FP Viking Air Handling units are available in either series, parallel configurations and suitable for internal applications



Modern, frameless construction



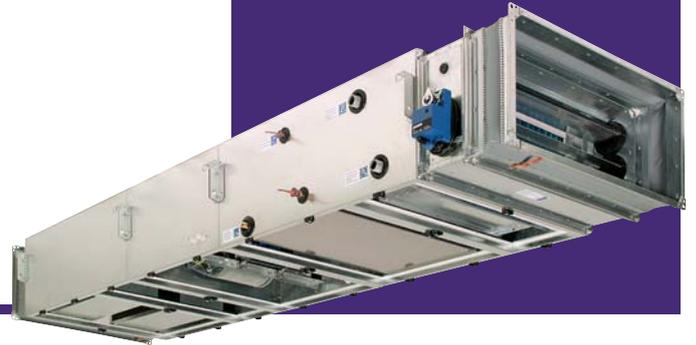
Side hangings for easy installation



Heat exchangers with integrated bypass



Belt-driven fans



## Parameters

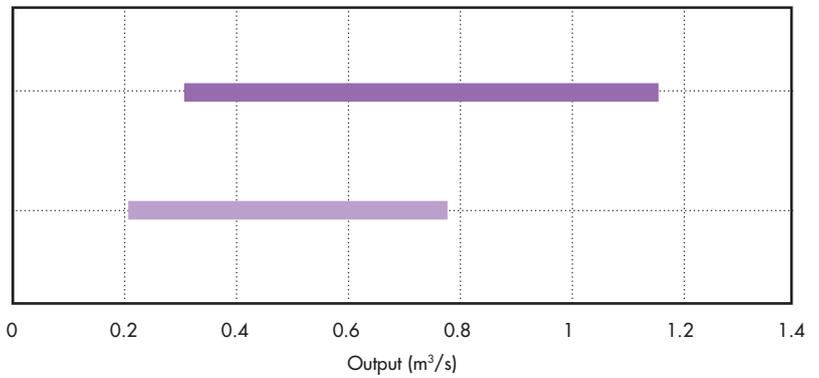
Cross-section (mm)



**FP 4.0**  
Full cross-section 995 x 360  
Inside cross-section 915 x 310



**FP 2.7**  
Full cross-section 690 x 360  
Inside cross-section 610 x 310



Pressure difference of fans: up to 1000 Pa  
Inlet air temperature: -40 °C to +40 °C

## Functions

Impellers	Forward curved centrifugal	
Heating	LPHW	✓
	Electric	✓
	Gas	-
	DX	✓
Cooler	DX	✓
	Chilled Water	✓
Heat Recovery	Plate	✓
	Wheel	-
	RAC	✓

Humidification	Steam	✓
	Adiabatic	-
Filtration	Panel	G4
	Bag	G3/4 - F5-9
	Grease	G3
	Compact	-
Attenuators	✓	
Controls	Optional	