THE ULTIMATE IN **IAQ** AND **THERMAL COMFORT**

Discover Aldes' unique vertical stacked fan coil with **integrated heat or energy recovery**

Applications: High rise, student residences, condominiums, retrofits and custom design, hotels and resorts, retirement residences

Advantages of compartmentalized, In-suite mechanical ventilation:

- Lower initial cost compared to central systems
- Reduces required capacity of corridor pressurization systems
- Less air leakage across the building envelope
- Regulated airflow that counteracts stack effect
- Better IAQ in each suite
- Reduced heating and cooling costs*
- Better occupant control
- Meets demand control ventilation requirements

*Amount depends on climate conditions where the building is located.

Benefits of Aldes FCU with integral HRV or ERV:

- Efficient EC motors for lower electricity costs
- Save space by combining heating and mechanical ventilation into one compact unit
- Save on installation labor costs
- Industry leading 2-year warranty

ERV Module

ERV inside FCU

Shown with internal piping risers

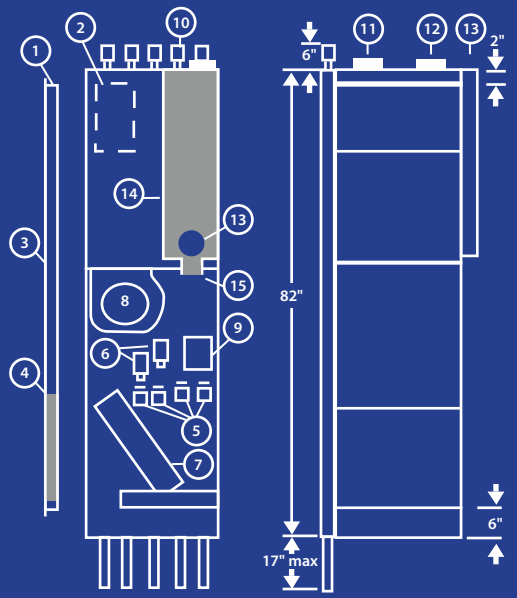
INTEGRATED FAN COILS | CHILLED AND HOT WATER

INTEGRATED HRV/ERV FAN COILS meet or exceed the industry standards for performance, sound, and quality. Safety certified for USA and Canada and meets the requirements of UL 1995/ CSA 22.2 #236 — Standard for Safety heating and cooling equipment.

VF2 - 2 Pipe — Integral Heat or Energy Recovery
VF2E - 2 Pipe with electrical heat and Integral Heat or Energy Recovery
VF4 - 4 Pipe — Integral Heat or Energy Recovery

ERV Options

1. Supply air grille
2. Optional side or top opening
3. Upper access panel
4. Lower access panel with filter
5. Supply and return shut off valve
6. Cooling/heating actuator
7. Split coil: 3 row chilled water. 2 row hot water OR 4 row chilled water, 2 row hot water
8. ECM fan motor
9. Electrical box
10. Swaged riser connection
11. Exhaust air intake
12. Fresh air intake
13. Exhaust air to outdoors (optional back)
14. ERV with removable core unit
15. Tempered fresh air into fan coil
16. Intergral humidifier (not shown)



*Information in this document is preliminary and is subject to change without notice.

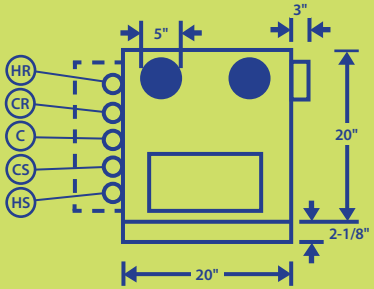
Air Volume

Fan Coil - 350 to 1200 CFM at 0.3 ESP
ERV - 35 to 75 CFM up to 0.8 ESP

Thermal Performance

Fan Coil - Nominal 3/4 to 3 ton cooling
Nominal 15 MBH to 84 MBH heat
ERV - Enthalpic core 85% cooling, 75% sensible heating

Dimensions:



Dimensional Data			
Size	CFM	Unit Size	Filter Size
VFU - 35	350 CFM	20" x 20"	19.5" x 20"
VFU - 45	450 CFM	20" x 20"	19.5" x 20"
VFU - 65	650 CFM	20" x 20"	19.5" x 20"
VFU - 80	800 CFM	20" x 20"	19.5" x 20"
VFU - 100	1000 CFM	20" x 20"	19.5" x 20"
VFU - 120	1200 CFM	20" x 20"	19.5" x 20"

Features

- 6 unit capacities for efficient control
- Automatic coil freeze protection
- 2-way or 3-way valve operation
- Automatic fresh air balancing with integral passive airflow regulators
- 18 gauge satin coated steel insulated cabinet

American ALDES Ventilation Corporation • 4521 19th Street Court East, Suite 104 • Bradenton, FL 34203 – USA
941.351.3441 • 800.255.7749 • 941.351.3442 (fax) • info@americanaldes.com • www.aldes.us