

Chilled Water Ceiling Cassettes

VRF ALTERNATIVE PRODUCT FOR SPOT HEATING AND COOLING

PRODUCT DESCRIPTION

Modine Ductless Ceiling Cassette units effectively create independently-controlled temperature zones, cassettes are ideal for classrooms, offices, laboratories, conference rooms or any environment where space is at a premium and low noise is essential.

This versatility eliminates compromising architecture or design, and cost savings are often realized during building updates, as existing piping and/or wiring can be frequently be reused.



- Chilled Water Cooling: 8, 12, 18, 20, 33 and 36 Nominal MBH
- Thermostatic control operations to vary conditions for diverse requirements and activities
- Low blower speeds, rigid panel and cabinet construction, and sound-absorbant insulation reduces noise to a minimum
- Zoned control flexibility, which greatly reduces energy costs
- Units fit easily into new or existing buildings
- Branch duct knock-outs built-in to connect to remote outlets
- Fresh air knock-outs for ducted outside air connections
- Built-in condensate pump to transport all moisture to local drain
- Up to MERV-10 filtration

CHILLED WATER COOLING MODELS

MODEL NO.	Filter	Total Cooling (Btu/hr) ¹	Hot Water Heat (Btu/hr) ²	Electric Heat (kW)	Dimensions - H x W x D (inches)		Weight (lbs)
					Chassis	Fascia	
CCW 08	STD.	7,800	17,100	1.5	10 1 ¹ / ₁₆ x 22 1 ¹ / ₂ x 22 1 ¹ / ₂	2 5 ⁵ / ₈ x 25 3 ³ / ₁₆ x 25 3 ³ / ₁₆	45
	MERV 10	5,400	13,400				
CCW 12	STD.	11,200	N/A	1.5	10 1 ¹ / ₁₆ x 22 1 ¹ / ₂ x 22 1 ¹ / ₂	2 5 ⁵ / ₈ x 25 3 ³ / ₁₆ x 25 3 ³ / ₁₆	45
	MERV 10	6,800	N/A				
CCW 18	STD.	18,200	27,300	3.0	9 1 ¹ / ₂ x 32 5 ⁵ / ₁₆ x 32 3 ³ / ₈	2 5 ⁵ / ₈ x 37 x 37	82
	MERV 10	16,500	24,800				
CCW 20	STD.	18,600	27,900	3.0	9 1 ¹ / ₂ x 32 5 ⁵ / ₁₆ x 32 3 ³ / ₈	2 5 ⁵ / ₈ x 37 x 37	82
	MERV 10	16,500	24,800				
CCW 33	STD.	31,100	41,200	5.0	11 1 ¹ / ₂ x 44 x 7 ⁷ / ₁₆ x 32 3 ³ / ₈	2 5 ⁵ / ₈ x 49 3 ³ / ₁₆ x 37	118
	MERV 10	29,700	42,300				
CCW 36	STD.	34,300	45,200	5.0	11 1 ¹ / ₂ x 44 x 7 ⁷ / ₁₆ x 32 3 ³ / ₈	2 5 ⁵ / ₈ x 49 3 ³ / ₁₆ x 37	118
	MERV 10	29,700	42,300				

1. Nominal chilled water cooling capacity based on air 80/67°F DB/WB, 45°F inlet / 55°F outlet water temperatures, high fan speed.

2. Nominal hot water heating capacity based on air 70°F, 180°F inlet / 160°F outlet water temperatures, high fan speed.

OPTIONS

- Lightweight galvanized sheet steel with integral fan mounting rails for added strength
- Internal fire resistant foam insulation for both thermal and acoustic insulation
- Micro-processor controller with infrared transmitter enabling room conditions to be maintained at a user-defined set point
- Hot water heating or electric heat can be provide by factory installed
- Condensate pump and check valve are fitted to carry condensate water out of the unit and stop water from slowing back in to the condensate tray
- Backward curved centrifugal fans are statically and dynamically balanced for quiet operation
- Hot water coil freeze protection sensor – when the sensor detects a freeze up condition it will force the flow control valve open and prevent the fan from running
- Disconnect switch allow the unit to be disconnected from the power supply prior to maintenance



As Modine Manufacturing Company has a continuous product improvement program, it reserves the right to change design and specifications without notice.



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AIR 8-150.3