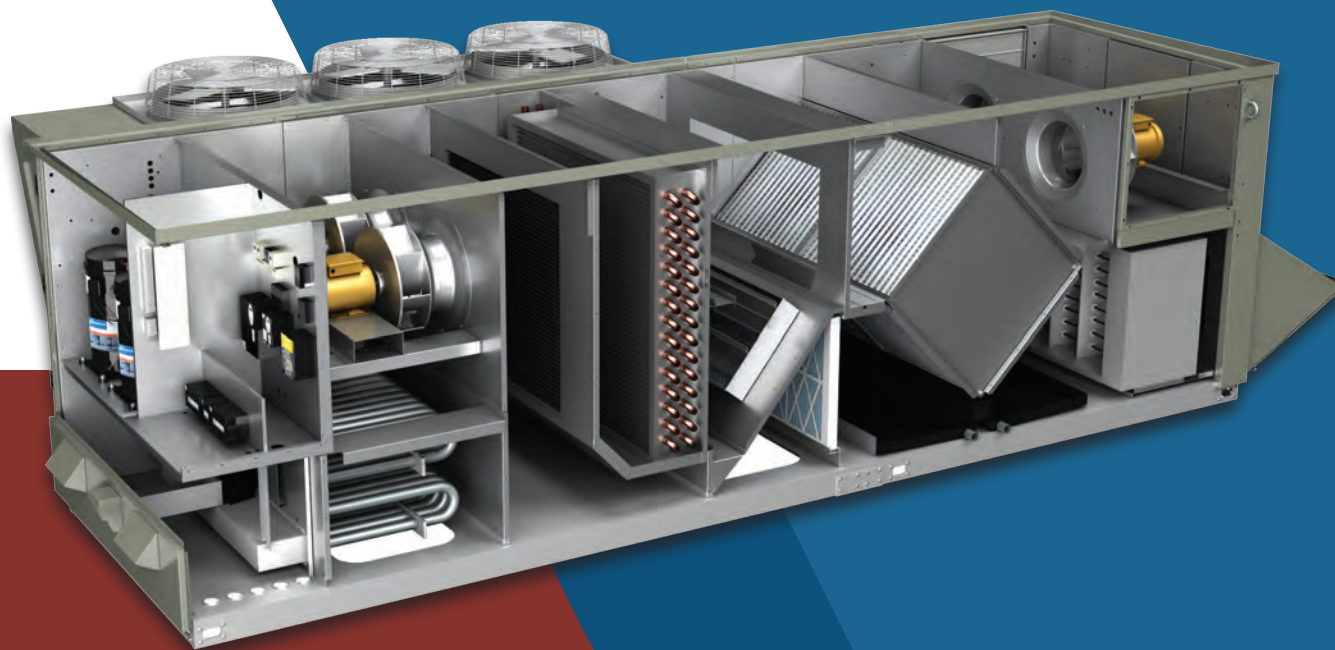




OUTDOOR AIR EXPERTS
ROBUST DESIGNS
DEDICATED SUPPORT



THE VALUE OF VALENT

ROBUST DESIGN, AFFORDABLE QUALITY

Valent designs and manufactures dedicated outdoor air handling units that require robust cabinets and components to effectively condition 100% outdoor air — on the coldest winter day or the most humid summer day.

Efficient manufacturing allows Valent to provide affordable products while raising the bar on quality.

Valent's goal is to provide customers with affordable quality.

OUTDOOR AIR EXPERTISE BUILT INTO EVERY PRODUCT

Valent's fully integrated and interoperable controls ensure reliable and efficient performance. We've applied our years of applications knowledge to create flexible control sequences proven across thousands of high-outdoor-air installations.

Valent's energy recovery portfolio is diverse to meet most project requirements. We understand application subtleties, like boosting efficiency with energy wheels that modulate to address changing outdoor conditions, or enthalpic plate heat exchangers that recover latent energy with no moving parts.

Controls and energy recovery expertise are key to optimal DOAS performance.

DEDICATED SUPPORT

We work with experienced reps and their talented sales engineers across North America. Our reps partner with Valent sales and support engineers to add value during design, installation, and operation phases.

Before and after the sale, we're there when you need us.



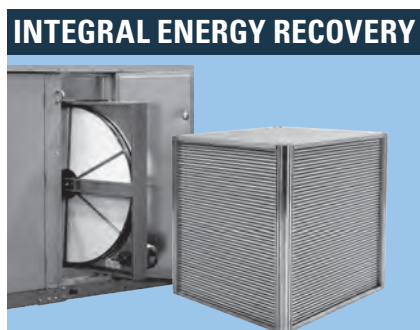
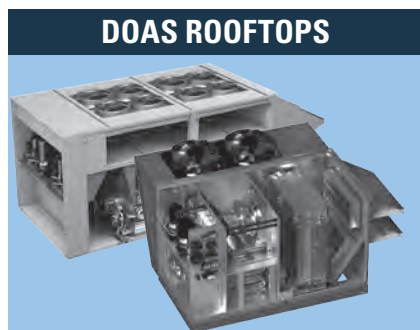
VALENT PRODUCTS

CONDITION UP TO 100% OUTDOOR AIR

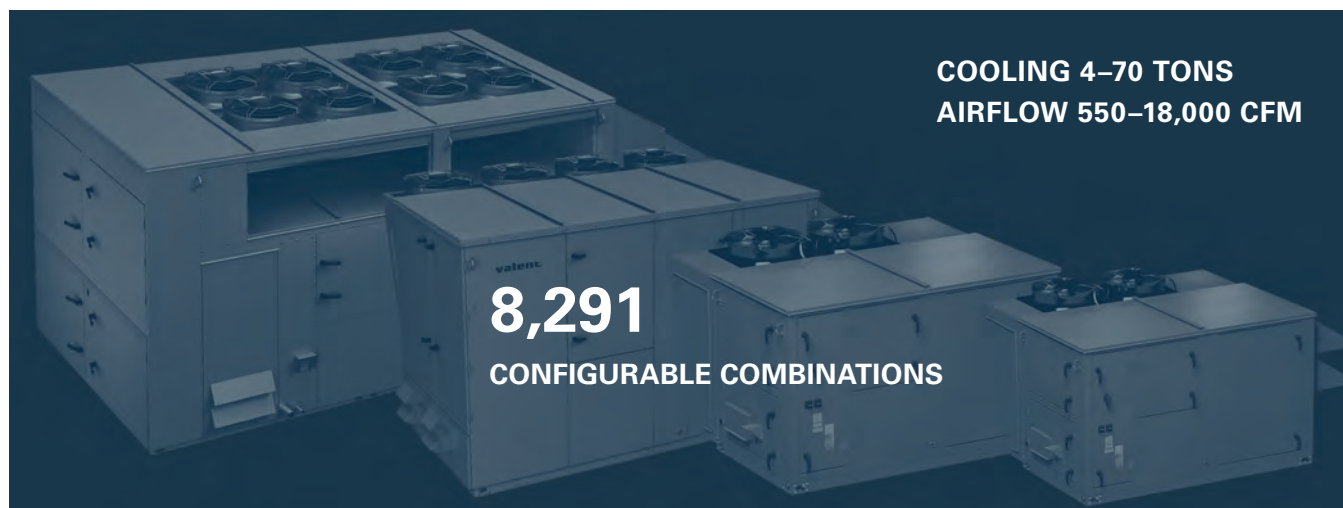
All Valent units are designed to cool, heat, and dehumidify a wide range of entering-air loads, up to 100% outdoor air. Valent units are also used in mixed-air applications due to their value-added features, which include inverter scroll compressors, ultra-quiet condensing fans, and durable components.

THREE CONFIGURATION TYPES

Valent units can be configured as DOAS rooftop units, with or without integral energy recovery, and as a split system. See the tables in this brochure for capacities. See the **Valent Datasheet** for product specifications by model.



NUMEROUS COMBINATIONS



RELY ON VALENT

PREDICTABLE PERFORMANCE



EVERY UNIT FACTORY-TESTED

A full factory run test ensures operation at start-up. Compressors and mechanical component operation is verified and VFD drives are factory-programmed.

Factory testing ensures operation at start-up.

EASY, EFFICIENT CONTROLS

Pre-configured control sequences, embedded web user interface, seamless interoperability, and on-screen refrigeration detail provide easy and reliable unit control.

Pre-configured controls shorten start-up time.

EASY INSTALLATION

SHORT LEAD TIMES

Lead times average six weeks, with 98% on-time shipping. Valent production capacity in four locations means lead times are short, even in high-demand seasons.

Quick delivery you can count on.

SIMPLE STARTUPS

It doesn't get much easier than our three-step installation:

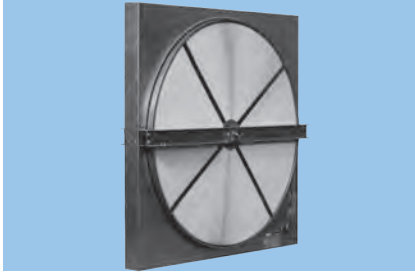
- 1. Inspect.** Check curb, utility connections, sensors.
- 2. Enable** the unit from the keypad.
- 3. Adjust** set points, gas pressure, tune cooling.



VALENT OPTIONS

ENERGY RECOVERY OPTIONS

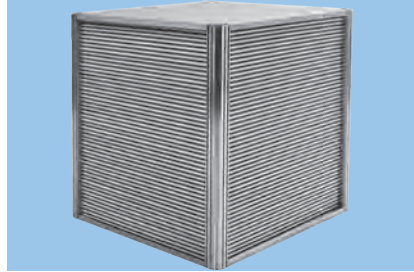
ENTHALPY WHEELS



- Latent and sensible recovery
- Most efficient
- AHRI 1060 certified

Valent's rotating enthalpy wheels recover up to 70% of return-air energy and slide out for easy access. Two enthalpy wheel types are available: a lightweight polymer wheel with silica gel desiccant, and an aluminum wheel with molecular sieve media.

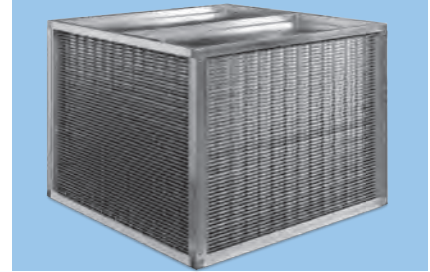
ENTHALPIC PLATE



- Latent and sensible recovery
- No moving parts
- Water-washable

Valent's enthalpic plate heat exchangers have minimal maintenance requirements, an exhaust air transfer ratio (EATR) of less than 1%, and can safely handle accumulated condensate without sustaining frost damage.

SENSIBLE PLATE



- Sensible energy recovery
- No moving parts
- All-aluminum construction

Valent's sensible plate heat exchangers allow minimal cross-air leakage, have a low pressure drop, and are easily cleanable. Commonly used in dry climates, they are also effective in high-humidity spaces such as pools, or where cross-contamination is a concern.

COOLING, HEATING, CONTROL, CONSTRUCTION OPTIONS

COOLING OPTIONS

- Packaged or split, air-cooled
- Water source heat pump
- Air source heat pump
- Chilled water
- Inverter or digital scroll compressors
- Modulating hot gas reheat
- Modulating EC condensing fans
- Staged AC condensing fans

HEATING OPTIONS

- Indirect gas 75–1,200 MBh
- Up to 16:1 turndown furnaces
- Electric 10–240 kW
- Temperator
- Hot water
- Steam coil

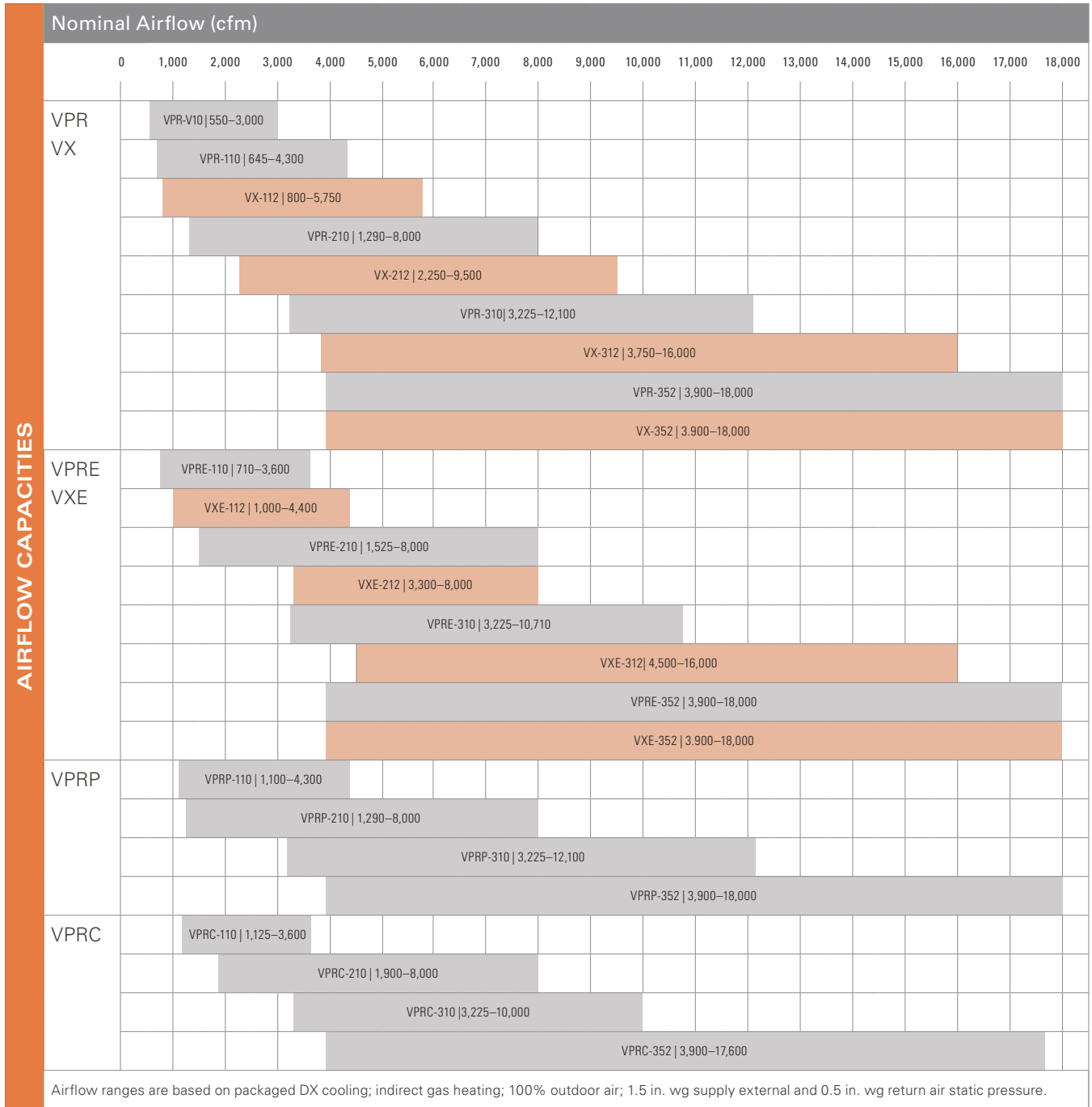
CONTROL OPTIONS

- Full control
- Heat-cool only control

CONSTRUCTION

- 2" R-13 foam-injected insulated panels, floors, doors, and roof
- Multiple access doors with rugged handles
- Internal space for maintenance access
- Pre-painted casing
- Sloped roof
- Galvanized interior
- Multiple duct connections

PRODUCT DATA



PRODUCT DATA

	Nominal Tonnage																				
	4	5	6	7	8	10	13	15	16	18	20	25	30	35	40	50	60	70			
REFRIGERATION CAPACITIES	Packaged Air Cooled	VPR-V10																			
		VPRE/P/C-110																			
		VX/E-112																			
		VPRE/P/C-210																			
		VX/E-212																			
		VPRE/P/C-310																			
		VX/E-312																			
		VPRE/P/C-352																			
VX/E-352																					
Split Air Cooled	VX/E-112							VX/E-212													
	VPRX/E/P/C-110					VPRX/E/P/C-210					VPRX/E/P/C-310				VPRX/E/P/C-352						
Water Source Heat Pump	VX/E-112							VX/E-212													
	VPRX/E/P/C-110							VPRX/E/P/C-210					VPRX/E/P/C-310				VPRX/E/P/C-352				
Air Source Heat Pump	VX/E-112							VX/E-212													
	VPRX/E/P/C-110							VPRX/E/P/C-210					VPRX/E/P/C-310				VPRX/E/P/C-352				

	Input Capacity (MBh)																			
	75	100	150	200	250	300	400	500	600	700	800	1,000	1,200							
HEATING CAPACITIES	Indirect Gas	VPR-V10																		
		VPRE/P/C-110																		
		VX/E-112																		
		VPRE/P/C-210																		
		VX/E-212																		
		VPRE/P/C-310																		
		VX/E-312																		
		VPRE/P/C-352																		
VX/E-352																				
SCR Electric	Electric Capacity (kW)																			
	10	15	20	30	35	40	50	60	80	90	100	120	125	150	180	200	240			
SCR Electric	VPRE/P/C-110																			
	VX/E-112																			
	VPRE/P/C-210																			
	VX/E-212																			
	VPRE/P/C-310																			
	VX/E-312																			
	VPRE/P/C-352																			
	VX/E-352																			

Electric heat sizes shown do not account for unit voltage.

LEARN MORE

- Visit our website at valentair.com.
- Download our **Valent Datasheet** for detailed specifications by model.
- Find a **Valent Representative**.



Shown here: VPR-352 , VXE-112

On the cover: VPRC-210



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Valent Cat 112420