

ENTHALPY CORE

LOW MAINTENANCE ENERGY RECOVERY SOLUTION

Valent's focus on energy recovery design, construction, and control has been rewarded with thousands of successful installations that are energy-efficient, durable, and that improve indoor air quality. The enthalpy core is just one of the energy recovery options offered by Valent and is uniquely positioned to meet the needs of buildings without on-site maintenance teams.

RELIABLE OPERATION

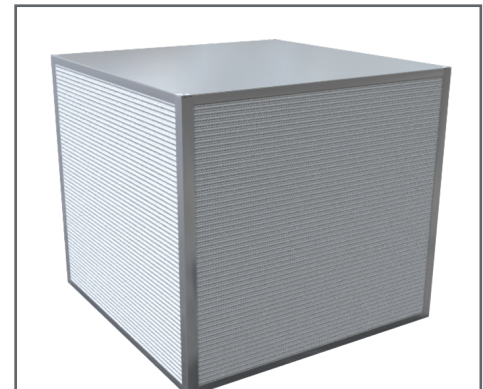
- No moving parts reduces the need for mechanical maintenance or repair
- Sturdy aluminum frame is corrosion resistant
- Frost control options allow for ongoing winter operation
- ASHRAE 90.1 compliant for sensible and latent heat transfer

LOW CROSS CONTAMINATION

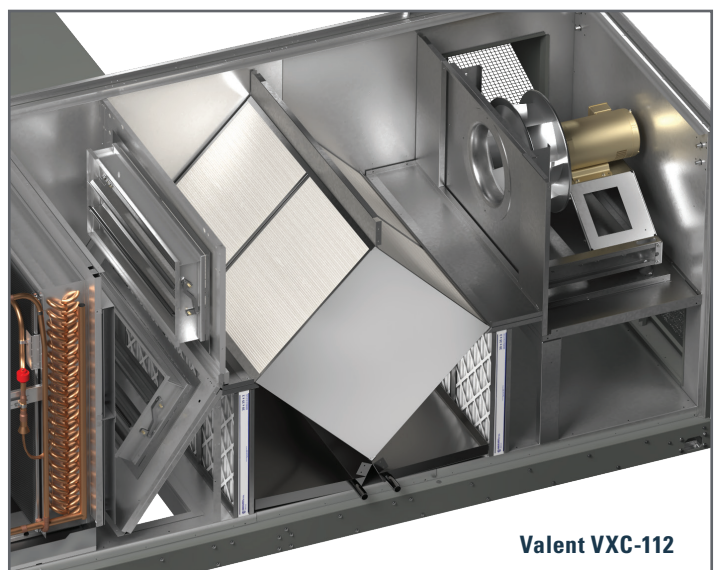
- Cross-flow design prevents supply and exhaust air streams from intersecting
- <1% EATR per AHRI 1060 testing
- Blocks a variety of gases and contaminants

LOW MAINTENANCE

- No moving parts, such as motors or belts
- Easily accessed to clean in place
- Antibacterial coating prevents mold and bacteria growth



Enthalpy core heat exchangers provide latent and sensible energy recovery with low maintenance operation.



Valent VXC-112

ENTHALPY CORE COMPARISON

	POLYMER CORE	FIBER CORE
Airflow Minimum (cfm)	500	500
Airflow Maximum (cfm)	15,000	6,500
Effectiveness	55-65%	50-60%
Cross Leakage (EATR)	0-1%	0-1%
Maintenance	Clean in place Wash with mild detergent and low pressure water	Clean in place Vacuum off surfaces, do not use water
Frost Control	Freeze Tolerant Design Timed Exhaust Energy Core Bypass Electric Preheater	Timed Exhaust Energy Core Bypass Electric Preheater
Available on Models	VXC-112 VXC-212 VXC-352	VXC-112 VXC-212

LEARN MORE ABOUT ENERGY RECOVERY

- www.valentair.com
- Visit the [Applications Expertise](#) section of Valent's website.
- [Contact your Valent Representative.](#)



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