

HRV

Heat Recovery Venting System

nyle
Dry Kilns



Starting at
\$29,995.00



KEY FEATURES

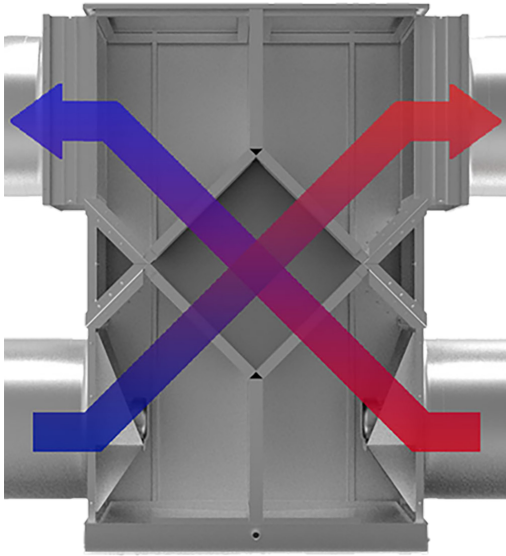
- ✓ ***Reduce Energy Costs by Up to 30%***
The heat recovery vent system significantly lowers energy consumption, resulting in substantial cost savings.
- ✓ ***Qualifies for Carbon Credits***
By improving energy efficiency, the system helps meet sustainability goals and can qualify your operation for carbon credits.
- ✓ ***Recovers 80% of Heat Lost***
The advanced design captures and reuses up to 80% of the heat that would otherwise escape, maximizing efficiency.
- ✓ ***Accelerates Drying Times***
Enhanced heat retention and optimized airflow contribute to faster drying cycles, increasing productivity.

About The HRV

Nyle is dedicated to supporting kiln owners & enhancing the efficiency and productivity of lumber drying. Nyle's dynamic heat exchangers recapture energy lost during the drying process by transferring most of the outgoing vented air's energy back to the incoming air.

This innovative approach not only utilizes energy that would otherwise be wasted but also cuts down the need for additional heating, reducing overall fuel consumption by at least 15%.

TECHNICAL DATA SPECIFICATION



Venting Capacity 5,000 CFM

Estimated Energy Savings Saves up to 80% of Lost Heat

Energy Recovery	Winter	Up to 305,502 BTU/hr
	Summer	Up to 116,568 BTU/hr

Intake/ Exhaust Fan HP (@ 1,800 RPM) 6 HP total with VFD

Static Pressure 2"

Power Requirements 480V Three Phase, 30A

Carbon Credit Savings

Natural Gas:

1.59

CARBON CREDITS

Per 1,000 therms currently being used

Liquid Propane:

1.72

CARBON CREDITS

Per 1,000 gallons currently being used

EXAMPLE PAYBACK

Venting	Starting MC	Target MC	Savings Per Load (Weighted Average)	Expected Energy Use (MMBTU)	Payback Average (in Years)
High	130.1%	15%	\$3,430.95	1,465.4	0.52
Average	58.5%	15%	\$1,296.67	553.8	1.37
Low	38.1%	15%	\$688.58	294.1	2.58

nyle
systems
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