

HRV

Heat Recovery Venting System

nyle
Dry Kilns



Starting at
\$29,995.00



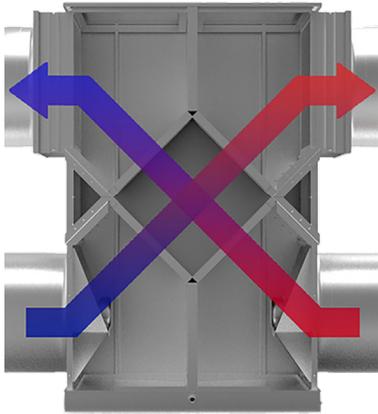
KEY FEATURES

- ✓ ***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 and enhancing the efficiency and productivity of lumber drying through innovative solutions like our Heat Recovery line, available in both Standalone and Rooftop models. These systems feature dynamic heat exchangers that reclaim energy typically lost during the drying process, transferring the majority of the outgoing vented air's energy back into the incoming air stream. 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



	<i>HRV2500</i>	<i>HRV5000</i>	
Venting Capacity	2,500 CFM	5,000 CFM	
Estimated Energy Savings	Saves up to 80% of Lost Heat		
Energy Recovery	Winter	Up to 152,751 BTU/hr	Up to 305,502 BTU/hr
	Summer	Up to 58,284 BTU/hr	Up to 116,568 BTU/hr
Intake/ Exhaust Fan HP	Two 2HP Reversible with VFD	Two 3HP with VFD	
Mounting Style	Rooftop	Standalone	
Power Requirements	480V Three Phase, 15A	480V Three Phase, 20A	

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

Contact Us

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