

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.



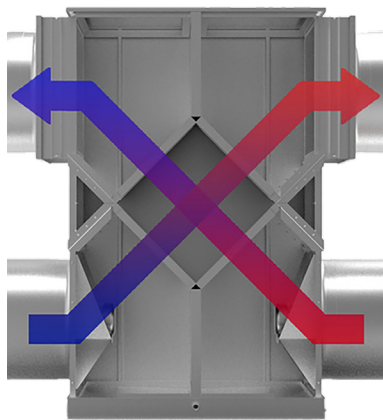
Accelerates Drying Times

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



		HRV2500	HRV5000
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

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