

**ENERGY RECOVERY OPPORTUNITIES**  
**WE HAVE ALIGNED WITH NATIONAL GRID IN ORDER TO HELP CAPITALIZE ON POTENTIAL REBATES FOR ENERGY RECOVERY**

ENTHALPIC MEMBRANE

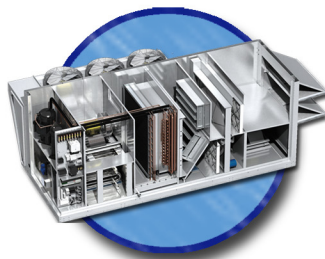


PACKAGED OR SPLIT DX

HOT WATER HEATING



INSTITUTIONAL APPLICATIONS



HEAT RECOVERY VENTILATORS

ENERGY RECOVERY VENTILATORS



CHILLED WATER COOLING

HEAT PUMP

ENERGY RECOVERY MODULES

INDIRECT GAS HEATING

HIGH-LATENT-TRANSFER MEMBRANE

ELECTRIC HEATING



DESICCANT WHEEL

INDUSTRIAL APPLICATIONS



ALUMINUM CORE

POLYPROPYLENE CORE

RESIDENTIAL APPLICATIONS



COMMERCIAL APPLICATIONS

WASTE WATER APPLICATIONS



EXTREME-CLIMATE

MULTI-FAMILY & CONDO APPLICATIONS

**UP TO 50% OF THE INSTALLED COSTS [MAX \$250K] CAN BE REIMBURSED BY YOUR LOCAL UTILITY**

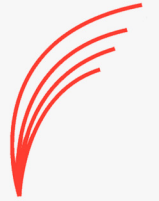


**For more information or to request a catalog, please contact Engineering.**

## PLEASE SEND ALL REQUESTS TO:

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## MANUFACTURER HISTORY:



**Greenheck** is known worldwide as the leading manufacturer of air-movement and control equipment. Its flagship ventilation products are typically found behind walls, in ductwork or on the roofs of hospitals, office buildings, hotels, shopping malls, restaurants, schools, industrial plants and other commercial buildings. Their function, basically, is to move air in, out and around a building — making life inside a lot more pleasant. It's clear **Greenheck** has come a long way since 1947 when it began business as a tiny sheet metal shop in Schofield, Wisconsin. Today, **Greenheck** brand fans and ventilators, centrifugal and vane axial fans, make-up air units, energy-recovery ventilators, dampers, louvers, kitchen ventilation systems, laboratory exhaust systems, indoor air handling units, and coils are shipped around the globe.



**Coolbreeze** was incorporated in 1969 with ambition to become a leading force in the heating, ventilating and air conditioning industry. To date, they have been involved in the construction of some of the largest industrial and commercial buildings providing quality installations for their clients. Effective, energy-efficient heating, ventilating air conditioning equipment properly applied is an essential part of today's demand for minimum system operating costs. **Coolbreeze** prides itself as a leader in applying innovative techniques and ideas in an ever-changing industry. One of their major strengths is their capability to handle any project, regardless of size or complexity, from inception, through budgeting to the design, manufacturing, and start up.



**American Aldes** is the premier manufacturer of ventilation products and systems for homes, multi-family dwellings, hotels, schools and numerous other commercial applications. For more than 30 years, **American Aldes** has resolved challenging indoor air quality issues by taking a "systems approach" to ventilation. **American Aldes** products are designed for superior airflow control, energy-efficient performance, and a healthy indoor environment. **American Aldes** has specialty ventilation products for single-family homes all the way to towering commercial buildings. Builders seeking LEED project credits or designers working within challenging constraints will find **American Aldes** products are cost effective and suited to their particular ventilation and indoor air quality needs.



With 67+ years experience, **Bousquet** can offer a solution for all your needs, whether it be cooling, heating, filtration, heat recovery or system controls. **Bousquet** was founded in 1946 as an oil burner distributor. When natural gas appeared on the market in 1958, the firm was well positioned to obtain a major market share. In the 1960s, the company was able to take advantage of the movement to the suburbs and the development of industrial parks by selling industrial and commercial heating equipment. In the early 1980s, **Bousquet** began to fabricate its own direct-fired heating equipment and added indirect-fired to its product portfolio in 1993. In 2005, **Bousquet** further diversified its line of energy-efficient, temperature modulation, and customized products and sold its distribution division in 2007 to focus on the manufacturing of gas fired and air handling equipment.

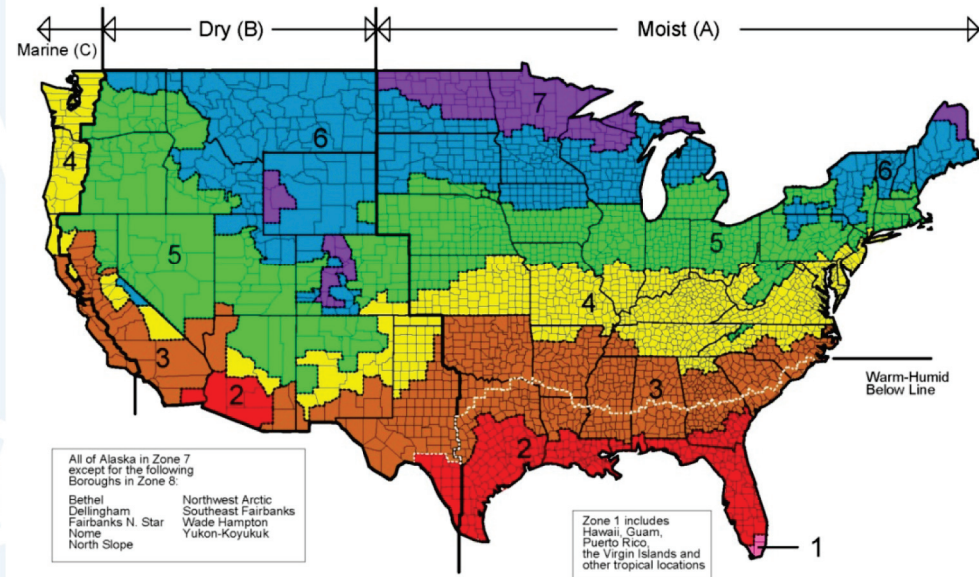
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# ERV Energy Code Requirements By Climate Zone (ASHRAE 90.1-2010/IECC-2012)

## NEW ENERGY RECOVERY VENTILATION REQUIREMENTS

- Based on DOE Climate Zone
- Cost Justified by Zone
- Broadened Building Applications
- Previously  $\geq 5000$ cfm Supply and  $\geq 70\%$  Outdoor Air – all Zones



**Table 6.5.6.1 Energy Recovery Requirement (IP)**

Zone	% Outdoor air at full design airflow rate					
	$\geq 30\%$ and $< 40\%$	$\geq 40\%$ and $< 50\%$	$\geq 50\%$ and $< 60\%$	$\geq 60\%$ and $< 70\%$	$\geq 70\%$ and $< 80\%$	$\geq 80\%$
	Design Supply Fan airflow rate (cfm)					
3B, 3C, 4B, 4C, 5B	NR	NR	NR	NR	$\geq 5000$	$\geq 5000$
1B, 2B, 5C	NR	NR	$\geq 26000$	$\geq 12000$	$\geq 5000$	$\geq 4000$
6B	$\geq 11000$	$\geq 5500$	$\geq 4500$	$\geq 3500$	$\geq 2500$	$\geq 1500$
1A, 2A, 3A, 4A, 5A, 6A	$\geq 5500$	$\geq 4500$	$\geq 3500$	$\geq 2000$	$\geq 1000$	$> 0$
7, 8	$\geq 2500$	$\geq 1000$	$> 0$	$> 0$	$> 0$	$> 0$



Previous 90.1 2004 / 2007 Requirements for All Weather Zones Outlined in Red