BLAUBERG NA

FRESH AIR SYSTEMS

New High-Efficiency Residential HRVs & ERVs

BLAUBERG | NA

Welcome to Blauberg North America, where innovation meets timeless design in the ventilation industry.

As a forward-thinking and client-oriented company, we pride ourselves on offering cutting-edge technology and a diverse range of products to meet the evolving needs of our customers.

With a global presence spanning over 120 countries, Blauberg has earned its reputation as a trusted name in the ventilation market worldwide. Our diverse product portfolio includes everything from residential ventilation solutions to bespoke commercial ventilation systems.

At Blauberg North America, we prioritize customer satisfaction by providing the perfect combination of price and quality to suit individual preferences and requirements.

Whether you're in search of innovative ventilation solutions for your home or business, Blauberg NA is committed to being your trusted partner every step of the way.

Welcome to a world of superior ventilation with Blauberg North America.

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AIRTIGHT HOMES: A TRAP FOR AIR

Today's homes are designed to be energy efficient, but they become airtight spaces where air is unable to circulate properly. This lead to three serious issues that only get worse over time: stale air, radon, and moisture mold.

1. Airtight homes: Stale air

Modern homes are built to be extremely airtight under energy standards like IECC, ENERGY STAR, and local green codes. While this saves energy, it also traps air inside.

With no natural airflow, daily activities like cooking, showering, and even breathing fill the air with moisture, CO_2, odors, and chemicals – and there's nowhere it can go. Over time, this leads to fatigue, headaches, poor sleep, and even irritability in children.

2. Radon: A Dangerous Guest You Can't See

This issue isn't accidental – it's caused by isolating indoor air. And as energy-efficient homes become mandatory, ventilation is too often ignored.

In eastern and mountainous regions of the U.S. and Canada, radon is the second leading cause of lung cancer after smoking. It seeps in through basements, floor cracks, and foundation gaps.

3. Moisture and Mold: A Problem that Starts Small

Airtight homes often trap excess humidity from everyday activities like cooking, showering, or drying laundry. With nowhere to escape, moisture collects on walls, windows, and in corners.

Mold spreads silently behind furniture and walls, and removing it is costly. The best prevention is proper air circulation that removes moisture before it becomes a problem.

The Solution Already Exists

HRV/ERV ventilation units with heat and humidity recovery and air filtration have been designed for such conditions. They systematically supply fresh air from outside, filtering it from dust, allergens, and pollutants, while simultaneously removing stale air from the home.

HRV/ERV is not just an option, it is a necessity for a modern airtight home.

ERV EC SR
HRV EC SR

Vertical high-efficiency ERV with counterflow core: fresh air supply, top-tier energy recovery and filtration

Top air duct connections, for wall or floor mounting

FEATURES

Wall and floor mounting

Automatic recirculation damper for pressure neutral frost protection.

Energy efficient EC-motors

256 CFM

Max airflow at 0.4 i.w.g.

89 %

SRE at 32 °F

MERV 13

Optional filter for superior indoor air quality

Specifications

ERV EC SR 200								
Static pressure [in w.g.]	0	0.2	0.4	0.6	0.8	1	1.6	2
Net supply airflow [CFM]	270	263	252	242	231	220	191	170

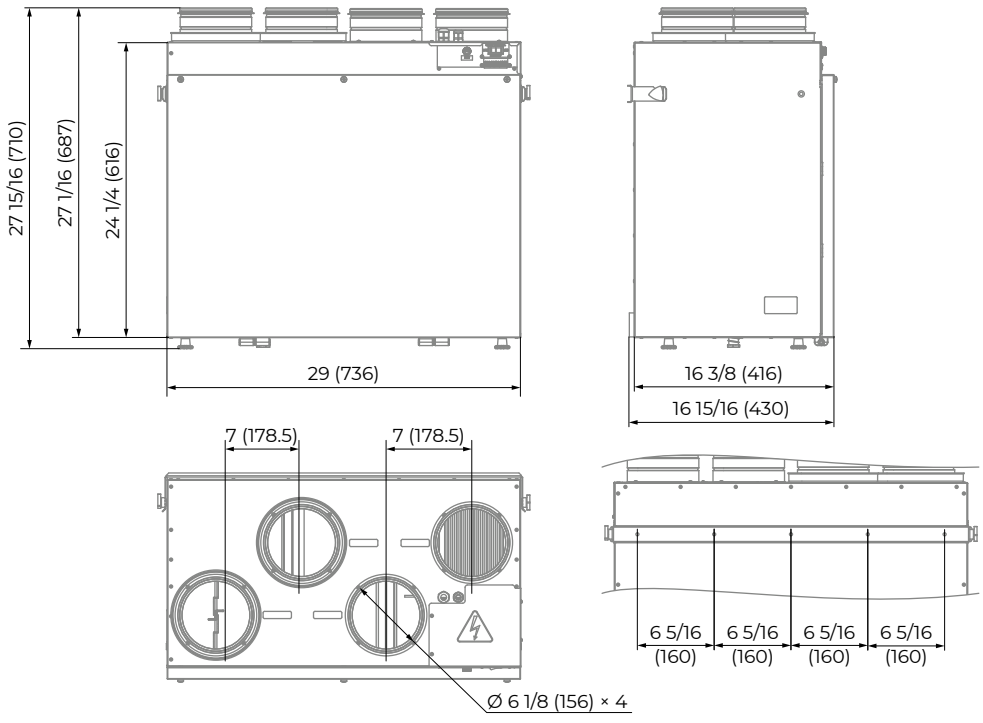
Supply Temperature		Net Airflow		Average Power [W]	SRE [%]	ASE [%]	Moisture Transfer [%]
°C	°F	L/s	CFM				
0	32	28	59	30	80	83	84
-25	-13	24	51	66	65	68	74
35	95	28	59	30	76*	78*	79

* Indicates total recovery efficiency, not sensible recovery efficiency

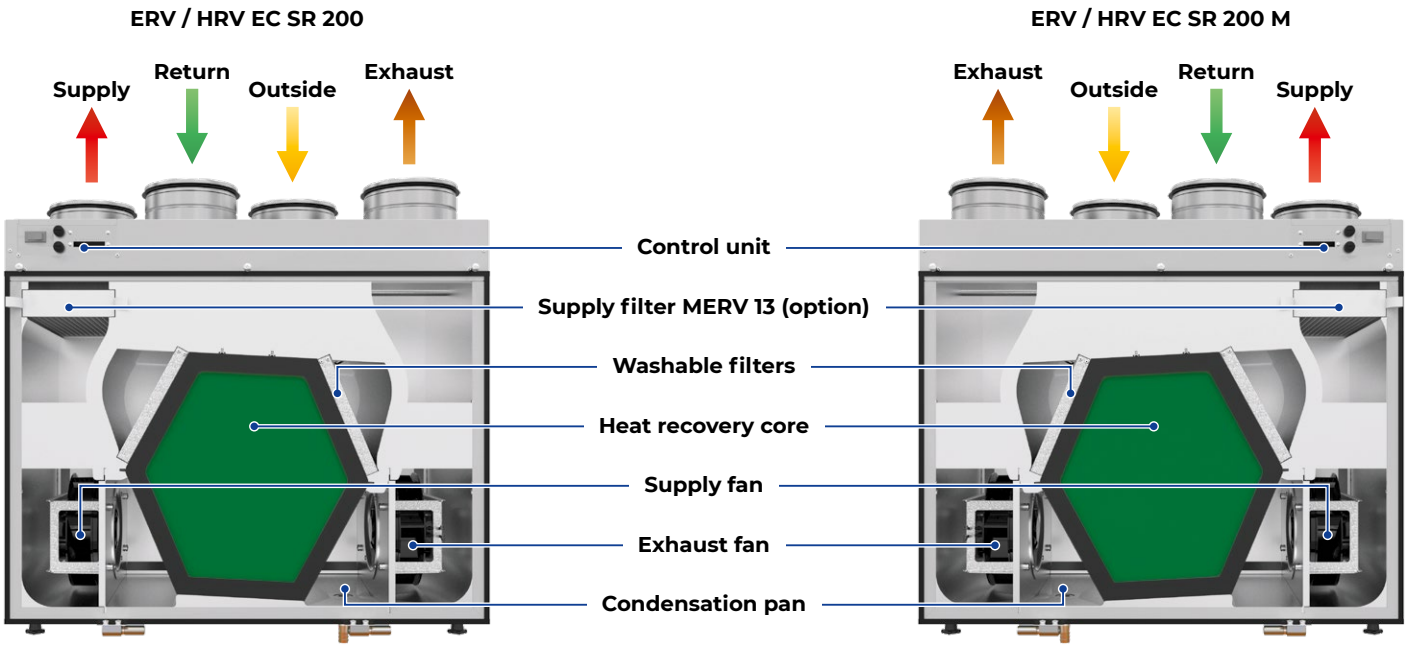
HRV EC SR 200								
Static pressure [in w.g.]	0	0.2	0.4	0.6	0.8	1	1.6	2
Net supply airflow [CFM]	275	267	256	246	235	225	193	172

Supply Temperature		Net Airflow		Average Power [W]	SRE [%]	ASE [%]	Moisture Transfer [%]
°C	°F	L/s	CFM				
0	32	28	59	31	89	93	0
-25	-13	20	42	82	68	73	0

Dimensions [in (mm)]



Design


ERV / HRV EC SR 200
Supply
Return
Outside
Exhaust
ERV / HRV EC SR 200 M
Exhaust
Outside
Return
Supply
Control unit
Supply filter MERV 13 (option)
Washable filters
Heat recovery core
Supply fan
Exhaust fan
Condensation pan

Start
Pauze
ActiveAir
Technology
Warm 90 min.
SelfCleaning Condenser

ERV EC L
HRV EC L

Compact horizontal high-efficiency ERV with counterflow core: fresh air supply, top-tier energy recovery and filtration

Side-by-side air duct connections, suitable for wall or ceiling mounting

FEATURES

Wall and ceiling mounting

Energy efficient EC-motors

Mirrored versions for maximum installation flexibility

179 CFM

Max airflow at 0.4 i.w.g.

94 %

SRE at 32 °F

MERV 13

Optional filter for superior indoor air quality

Specifications

ERV EC L 150								
Static pressure [in w.g.]	0	0.2	0.4	0.6	0.8	1	1.6	2
Net supply airflow [CFM]	200	190	177	164	151	137	95	67

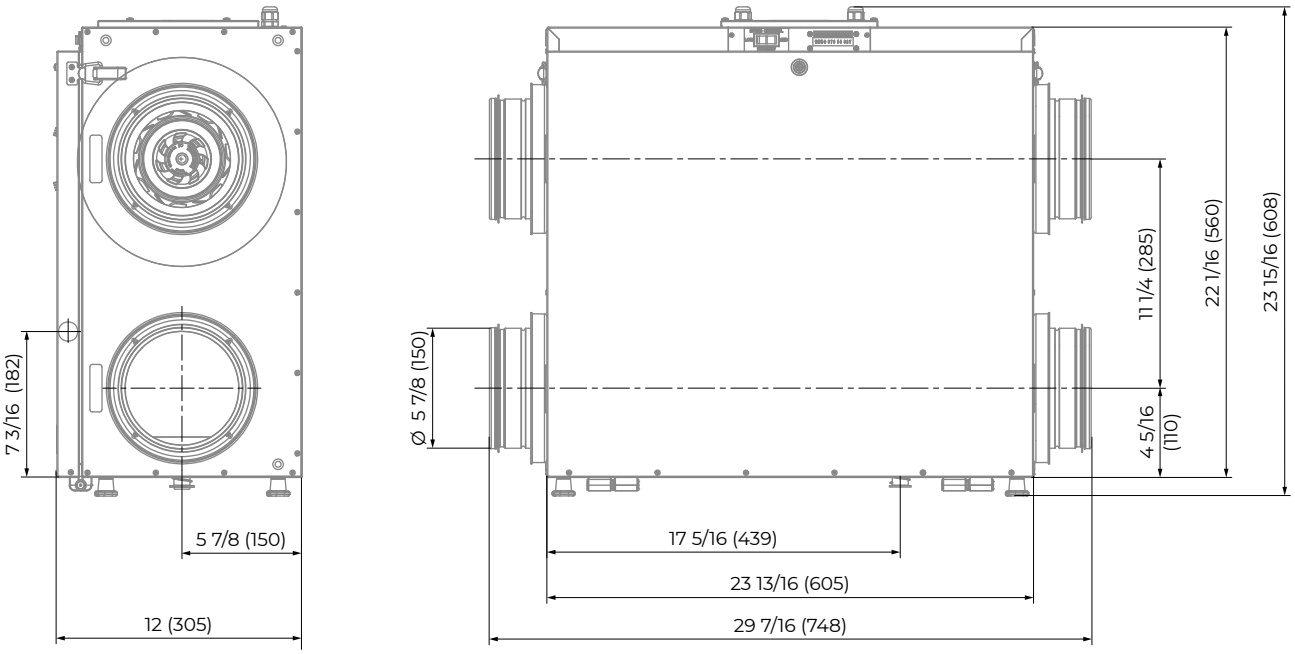
Supply Temperature		Net Airflow		Average Power [W]	SRE [%]	ASE [%]	Moisture Transfer [%]
°C	°F	L/s	CFM				
0	32	17	36	13	87	90	85
0	32	28	60	20	81	83	77
-25	-13	33	70	27	51	52	42
35	95	28	60	22	75*	77*	75

* Indicates total recovery efficiency, not sensible recovery efficiency

HRV EC L 150								
Static pressure [in w.g.]	0	0.2	0.4	0.6	0.8	1	1.6	2
Net supply airflow [CFM]	200	188	173	159	145	131	87	58

Supply Temperature		Net Airflow		Average Power [W]	SRE [%]	ASE [%]	Moisture Transfer [%]
°C	°F	L/s	CFM				
0	13	17	36	15	94	97	0
0	13	28	60	23	89	92	0

Dimensions [in (mm)]



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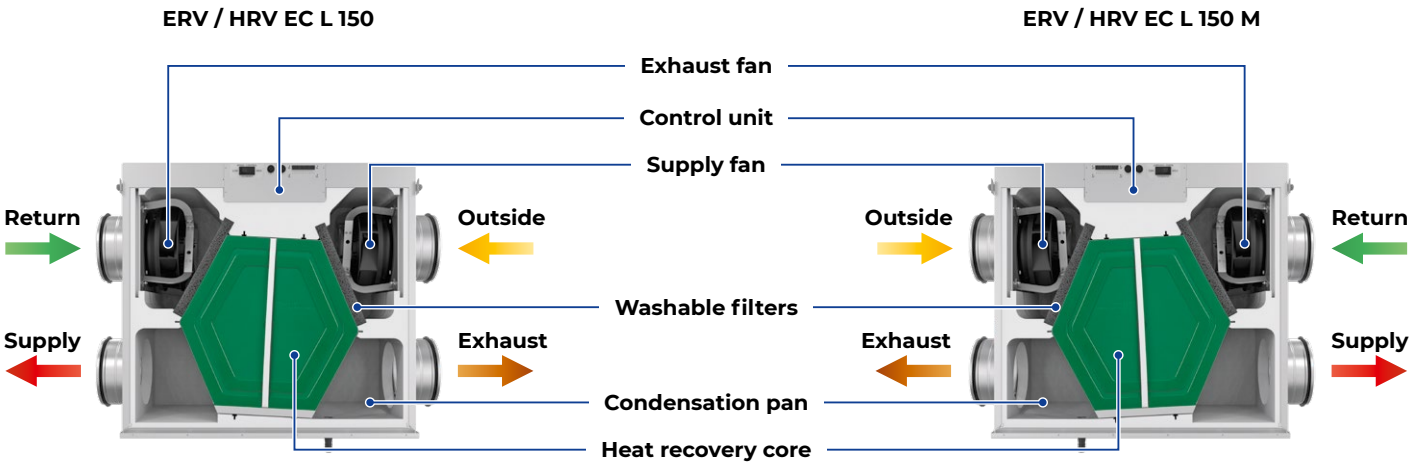
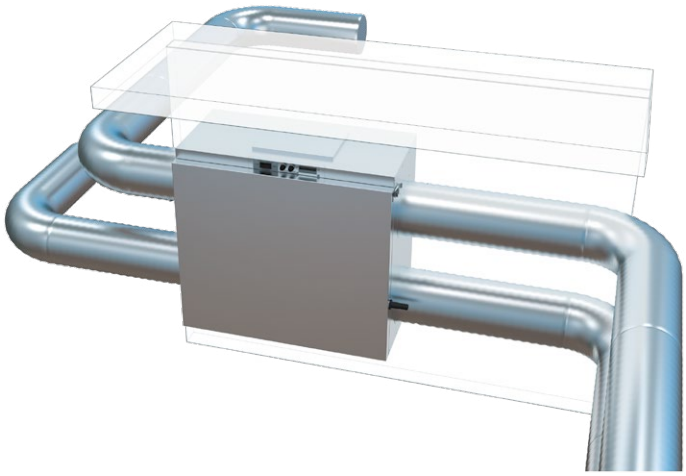
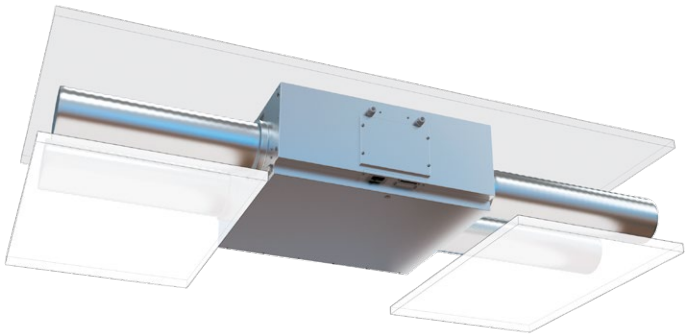


Installation





ERV EC D
HRV EC D

Compact suspended high-efficiency ERV with counterflow core: fresh air supply, top-tier energy recovery and filtration

Side-by-side air duct connections, suitable for ceiling or wall mounting

FEATURES

Ceiling and wall mounting

Energy efficient EC-motors

Mirrored versions for maximum installation flexibility

122 CFM

Max airflow at 0.4 i.w.g.

90 %

SRE at 32 °F

MERV 13

Optional filter for superior indoor air quality

Specifications

ERV EC D 130								
Static pressure [in w.g.]	0	0.2	0.4	0.6	0.8	1	1.2	1.4
Net supply airflow [CFM]	140	130	118	104	90	76	63	51

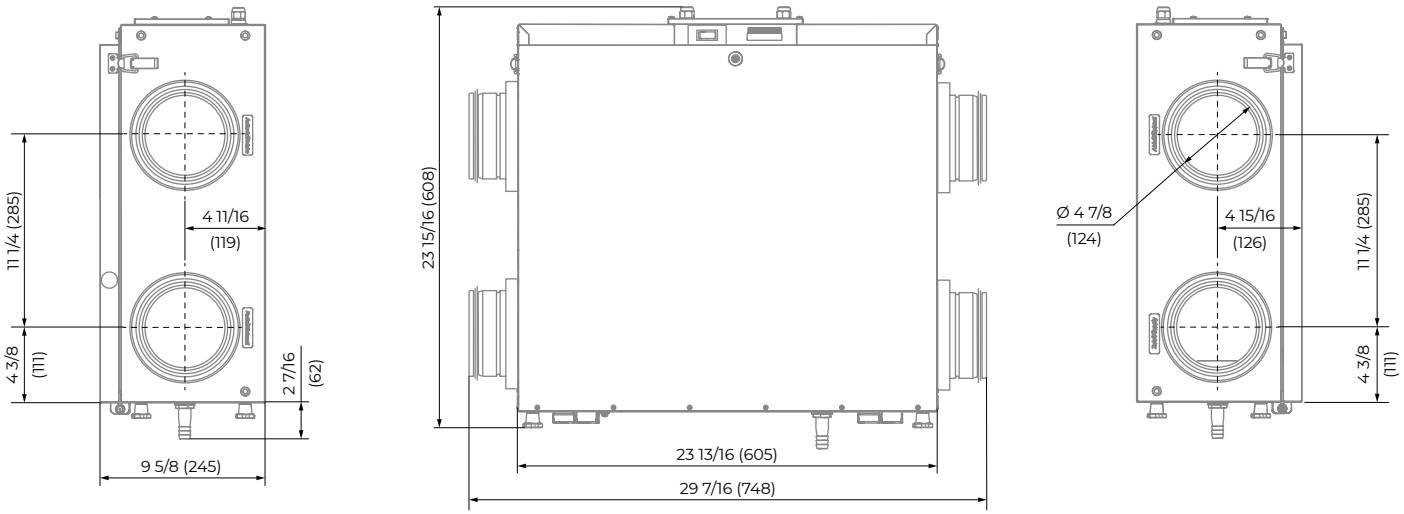
Supply Temperature		Net Airflow		Average Power [W]	SRE [%]	ASE [%]	Moisture Transfer [%]
°C	°F	L/s	CFM				
0	32	14	30	16	86	90	79
0	32	23	50	24	80	83	70
-25	-13	24	50	23	56	57	48
35	95	23	50	25	71*	73*	71

* Indicates total recovery efficiency, not sensible recovery efficiency

HRV EC D 130								
Static pressure [in w.g.]	0	0.2	0.4	0.6	0.8	1	1.2	1.4
Net supply airflow [CFM]	145	136	122	109	94	80	66	53

Supply Temperature		Net Airflow		Average Power [W]	SRE [%]	ASE [%]	Moisture Transfer [%]
°C	°F	L/s	CFM				
0	13	14	30	17	90	95	0
0	13	28	60	36	81	86	0

Dimensions [in]



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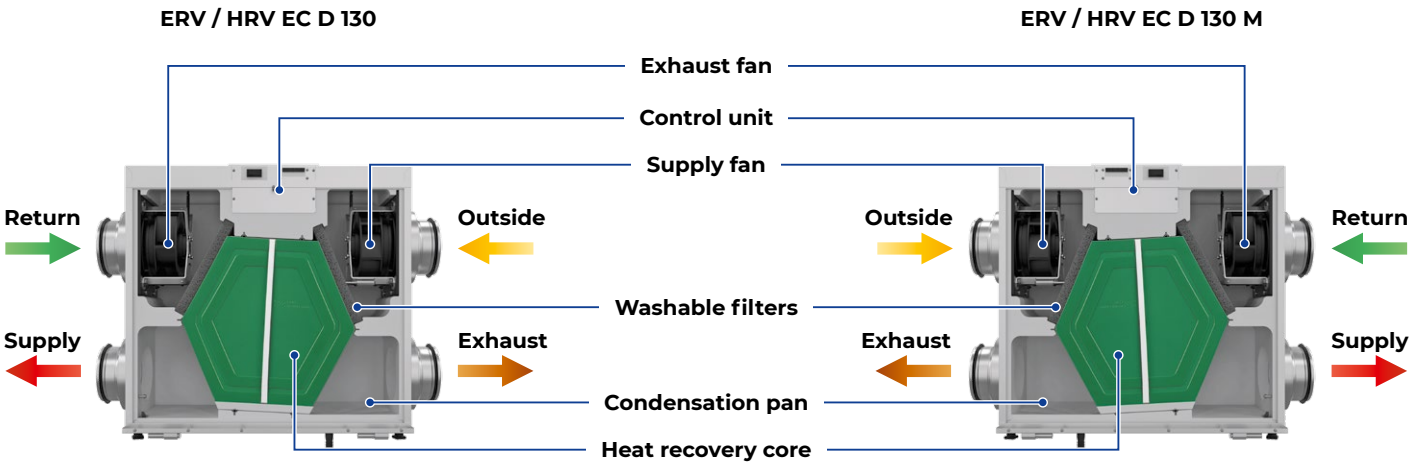
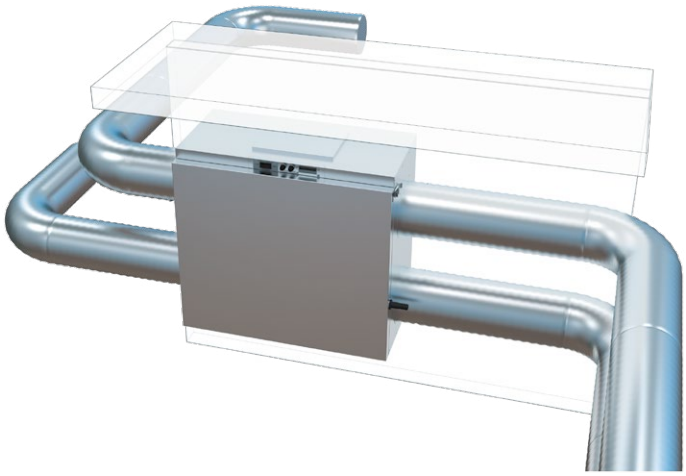
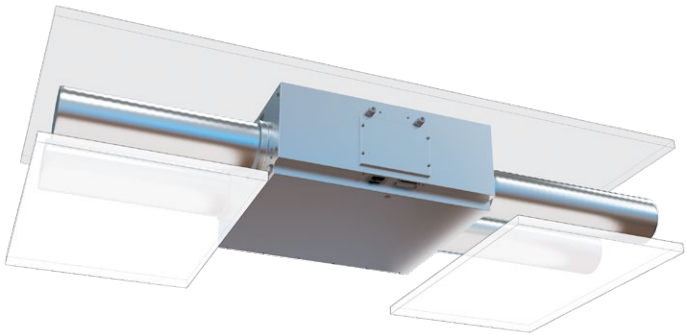


Installation





HRV ERV MAP

HRV (Heat Recovery Ventilation)

Transfers heat, without affecting indoor humidity levels.

Best suited for cold and dry climates, where removing excess moisture is important.

Recommended for airtight homes with heating systems that do not overly dry out the air.

Effective in homes with many occupants, where more moisture is generated through cooking, showering, and breathing.

ERV (Energy Recovery Ventilation)

Transfers both heat and moisture, helping to maintain optimal indoor humidity levels.

Preferred in regions with humid summers and dry winters – saves moisture in winter and reduces humidity intake in summer.

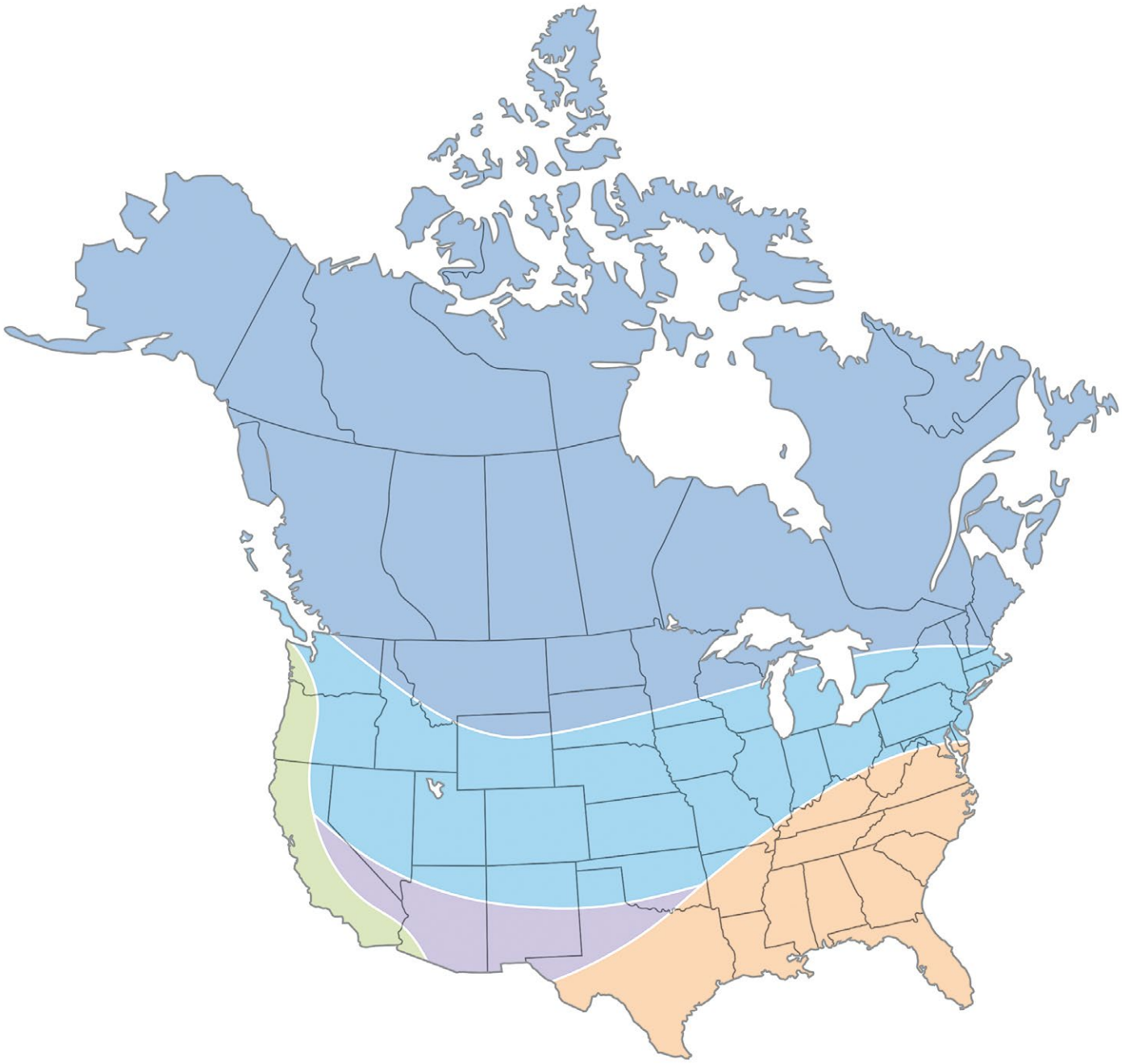
Suitable for older homes with natural moisture leakage, and for homes with heating systems that tend to dry out the air.

Ideal for homes with fewer occupants, where preserving indoor humidity is important.

Accessories

Model		HRV EC SR 200 ERV EC SR 200	HRV EC L 150 ERV EC L 150	HRV EC D 130 ERV EC D 130
MERV 13 Filter		FP 363×140×40 MERV13	FP 220×247×20 MERV13	FP 220×187×20 MERV13
Push-button timer		S52	S52	S52
Backdraft damper		VRV 150	VRV 150	VRV 125
Clamps		KZ 150	KZ 150	KZ 125

Choosing Between HRV and ERV



COLD & DRY	TEMPERATE	MARITIME	HOT & DRY	HOT & HUMID
ERV Units	HRV & ERV units	ERV units	HRV units	ERV units

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