

SL SERIES ERVs

LOW-PROFILE: SINGLE/MULTI-FAMILY, LIGHT COMMERCIAL



- ◆ Low-profile, commercial-grade appliance, often used for multi-family units
- ◆ 51-76 CFM continuous mode, 76-94 CFM boost mode and four-duct configuration
- ◆ EC motors, boost mode capability, Dial-A-Flow controls, MERV 13 filter option
- ◆ Hard-wired power (SL70H) or plug-in power (SL70L)

 **VENTILATION SOLUTIONS
FOR EVERY APPLICATION**



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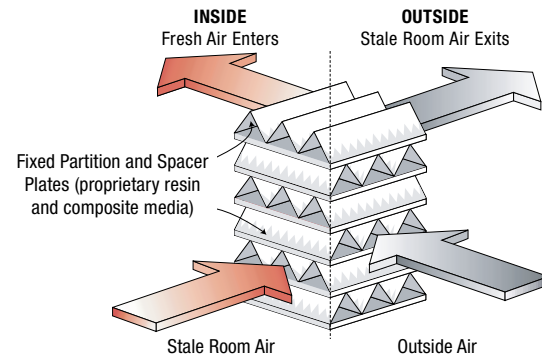
BALANCED VENTILATION & INDOOR AIR QUALITY

As new buildings get tighter to seal weather out, they seal in contaminants, causing deficient indoor air quality (IAQ). Since people spend, on average, 90% of their time indoors, and indoor air can be two to five times—and up to 100 times—more polluted than outdoor air, indoor air quality has very real impacts on health and cognitive function.

HIGHEST-QUALITY INDOOR AIR

Our SL Series ERVs can improve indoor air quality by removing contaminants, such as off-gassing from carpeting, furniture and building materials, excess humidity and mold. Our technology takes stale indoor air and replaces it with fresh, conditioned and filtered outdoor air.

AIRSTREAMS DO NOT MIX & POLLUTANTS ARE NOT TRANSFERRED ACROSS PARTITION PLATES



VENTILATION AIRFLOW REQUIRED BY HOME SIZE

Use formula below to calculate the minimum ventilation required: .03 x sq. ft. + 7.5(bedroom +1)

FLOOR AREA, FT²

	<500	501-1000	1001-1500	1501-2000	2001-2500	2501-3000	3001-3500	3501-4000
1 BEDROOM	30	45	60	75	90	105	120	135
2 BEDROOMS	38	53	68	83	98	113	128	143
3 BEDROOMS	45	60	75	90	105	120	135	150
4 BEDROOMS	53	68	83	98	113	128	143	158
5 BEDROOMS	60	75	90	105	120	135	150	165

ASHRAE 62.2

The American Society of Heating, Refrigeration and Air Conditioning Engineers (ASHRAE) revised Standard 62.2. The revision continued to evaluate every building's minimum ventilation needs, but also placed a greater emphasis on indoor air quality and its role on health.

SL SERIES

In response to growing demand for smaller and more flexible units, we are introducing the RenewAire Slimline ERV SL Series. The ETL Listed and HVI-Certified Slimline is compact, fits into tight spaces and can be adjusted to a specific point by one (1) CFM increments to vary supply and exhaust airflows. It can also operate continuously at that low airflow with a boost-mode option for temporarily high airflow. It is the perfect ERV for high-rise condos, apartments, townhouses, residential homes, compartmentalized commercial spaces with minimal bulkhead and ceiling space, and Passive House.

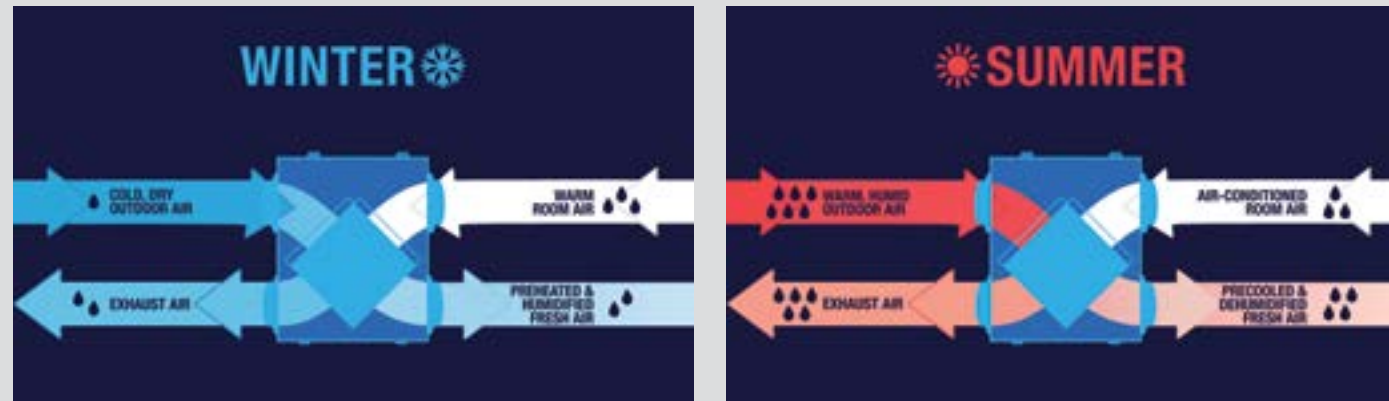


BOOST MODE

Two-speed functionality for continuous low/high flow.

OPTIMIZE ENERGY EFFICIENCY

- Preconditions incoming air with otherwise-wasted total energy (heat and humidity) of the exhaust air going out



IN WINTER, THE COLD, DRY OUTSIDE AIR IS PREHEATED AND HUMIDIFIED BY THE OUTGOING WARM INTERIOR AIR

IN SUMMER, THE WARM, HUMID OUTSIDE AIR IS PRECOOLED AND DEHUMIDIFIED BY THE OUTGOING COOL INTERIOR AIR

APPLICATIONS

Available in two models, SL70L and SL70H, the Slimline is a low-profile ERV capable of fitting in bulkheads and drop-down ceilings. The Slimline series can be installed vertically, horizontally or at any angle to suit site restrictions. This makes the SL series perfect for applications that have restrictive space for installation.

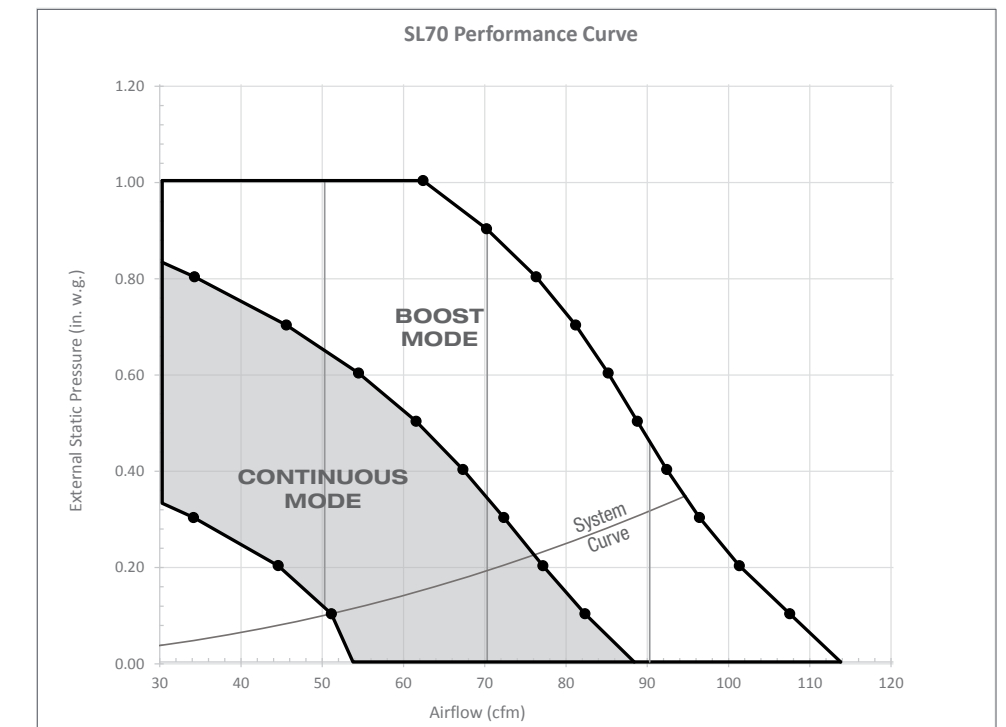


SL70L

SL70H

POWER SUPPLY	Line cord	Hard wire*
CONTINUOUS MODE	51-76 CFM	
BOOST MODE	76-94 CFM	
LENGTH	27 1/4"	
WIDTH	20 3/8"	
HEIGHT	9 1/2"	
WEIGHT	32 lbs.	
MOUNT	Ceiling Bracket or Hanging Chain	
EC MOTOR	Yes	
FILTER	MERV 8, MERV 13 (supply outside air only for MERV 13)	
CORE WARRANTY	10-year	
UNIT WARRANTY	5-year	
CERTIFICATIONS		
FAN EFFICIENCY	1.8 CFM/watt at 53 CFM	

*ELECTRICAL POWER TO BE HARD-WIRED IN FIELD BY CONTRACTOR



ACCESSORIES

FILTERS



MERV 13 Filters OA Airstream

MOUNTS



Wall-Bracket Kit

WALL CAPS



Wall Cap 6" White or Brown

CONTROLS



Percentage Timer (PTL)



Percentage Timer with Furnace Interlock (FM)



Push-Button, Point-Of-Use Timer (PBL)



IAQ Sensor Wall Mount



CO2 Sensor Wall Mount



Occupancy Sensor Wall Mount



Occupancy Sensor Ceiling Mount



Digital Time Clock Wall Mount



Digital Time Clock Exterior Enclosure

DAMPERS



Backdraft Damper 6"

HEATERS



RH Series Electric Duct Heater
1kW, 2kW, 3kW, 4kW

SL SERIES

INSTALLATION

The Slimline is simple to install and its operation is a breeze

- ◆ Four 6" duct collars for easy duct connection
- ◆ Easy integration with existing or new forced-air furnace ducting or for stand-alone applications
- ◆ Adjustable brackets and screws for easy and quick installation
- ◆ Spring isolators are provided for hanging chain mount



Ceiling Bracket Mount



Hanging Chain Mount

MAINTENANCE

Disposable filters should be checked and replaced as needed. Additionally, once a year, vacuum the four core faces using a soft brush. The RenewAire core does not need to be washed, as particulates do not accumulate in the core.



RENEWAIRE EVERYWHERE

RenewAire ERVs can be applied everywhere across all residential and commercial buildings, and everything in between. Our technology excels in every geographic region, every climate and every size project.



RenewAire.com
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