



THE FRESH AIR SOLUTION FOR SOUTHERN REGIONS

Managing indoor humidity and temperature is essential, particularly to protect homes from excessive moisture or dryness when ventilating with fresh air. The Broan ERVS100S provides a continuous supply of fresh air and removes stale air and pollutants—all while managing humidity. It is the ideal solution for tightly constructed, energy efficient homes in hot, humid or dry climates.

HOT AND HUMID, OR HOT AND DRY. BRING FRESH AIR INSIDE ALL YEAR LONG.

The ERVS100S is an Energy Recovery Ventilator (ERV) with exclusive Venmar® Core Technology that recovers up to 51% of excess moisture and up to 71% of excess heating and cooling*.

While providing fresh air to the home in hot and humid climate zones, Venmar® Core Technology limits hot air and excessive humidity from entering the home, and limits conditioned or cool air from leaving the home. What's more, a built-in sensor measures outside air moisture and temperature levels every 10 minutes and limits ventilation during periods of excessive humidity.

In hot and dry climates, Venmar® Core Technology limits hot air from entering the home and keeps humidity inside at a comfortable level.

*Based on the net moisture transfer and apparent sensible recovery percentage of the ERVS100S at 32°F and 64 CFM

HUMID CLIMATE**

Orlando, Florida

Hot and humid outside air to house
82°F
RH 74%

Stale air to outside
79°F
RH 63%



In-home air
75°F
RH 50%

Pretreated air to house
78°F
RH 67%

DRY CLIMATE**

Las Vegas, Nevada

Hot and dry outside air to house
106°F
RH 12%

Stale air to outside
94°F
RH 36%



In-home air
75°F
RH 50%

Pretreated air to house
87°F
RH 27%

**Performance calculated at 64 CFM. In-home air conditions (75°F and 50% RH) assume that the home is conditioned.

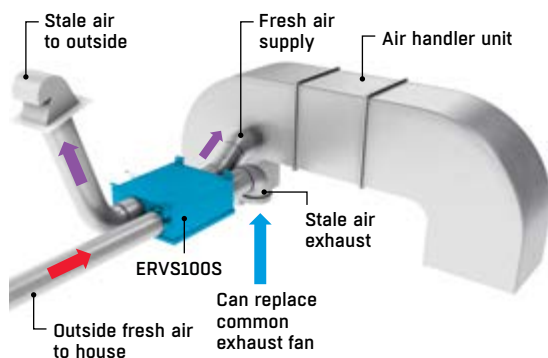
EASIER INSTALLATION MEANS LOWER INSTALLED COST

UNIQUE BRACKET SYSTEM SUITABLE FOR IN-CEILING OR ATTIC INSTALLATION



Installing the ERVS100S is convenient and affordable. Its small footprint and unique bracket system enable faster, easier installation for a lower total installed cost compared to other units. The low-profile ERVS100S may be installed in a compact ceiling space between 20–25" trusses, in the attic or in a small closet for easy access to the unit for routine maintenance.

EASY INTEGRATION WITH FORCED AIR FURNACE SYSTEM



The ERVS100S easily integrates with existing forced-air furnace systems or may be installed independently using fully ducted systems. Homeowners will enjoy exceptional ventilation delivered to every room, not just select areas. The ERVS100S can also be ducted to a bathroom and operated with an optional wall control (Model VB20W) to exhaust excess moisture. This configuration option eliminates the need for a local, spot ventilation exhaust fan. Be sure to refer to your local codes and standards for mechanical home ventilation requirements.

INTEGRATED CONTROL

The ERVS100S features an integrated control that offers three ventilation settings (65 CFM, 105 CFM or Intermittent) and four relative humidity level settings. It eliminates the cost and need for an external wall control to simplify installation.

SPECIFICATIONS



Model number	ERVS100S
Ports location	Side
Ports size (in.)	6
Min/max continuous airflow (CFM at 0.2 in. w.g.)	65–115
Min/max continuous airflow (CFM at 0.4 in. w.g.)	65–105
Fan efficacy at 32°F (CFM/Watt) ¹	1.4
Apparent sensible efficiency at 32°F ¹	71%
Sensible recovery efficiency at 32°F ¹	64%
Net moisture transfer at 32°F ¹	51%
Total recovery efficiency at 95°F ¹	48%
Filtration level	20 PPI / MERV 7 option
Dimensions (in.) H x W x D	9 x 27 ¹ / ₈ x 20
Warranty on parts	5 years
Warranty on core	5 years

¹Performance at low speed.

SAVE HERS® POINTS, AND REDUCE VENTILATION COST.*

For new construction applications in hot or temperate climates, save up to 10 HERS® points* with a Broan ERV instead of a central fan integrated system (CFIS). In addition to HERS® points, homeowners could save up to \$180 on annual ventilation operating costs.

*Compared to a central fan-integrated system, based on software calculations and analysis conducted by Broan-NuTone.

Broan.com

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