



FRESH AIR SYSTEMS
BETTER AIR. BETTER LIFE.

ENERGY RECOVERY VENTILATORS



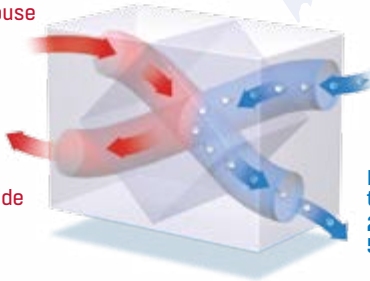
FRESH AIR, WHEREVER YOU LIVE.™

MANAGE HUMIDITY IN EVERY CLIMATE

DRY CLIMATE

Las Vegas, Nevada

Outside air to house
12% RH
15°F Dew Point



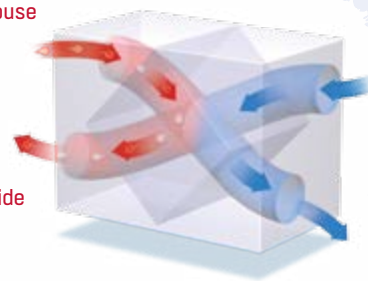
Stale air from building
50% RH
55°F Dew Point

Pretreated air to house²
29% RH
50°F Dew Point

HUMID CLIMATE






Orlando, Florida

Outside air to house
80% RH
69°F Dew Point



Stale air from building
50% RH
55°F Dew Point

Pretreated air to house²
65% RH
62°F Dew Point

	HE SERIES			ADVANCED SERIES	
Model Name					
Model Number	ERV140TE	ERV200TE	ERV250TE	ERVH100S	ERV180S
Ports location	Top	Top	Top	Side	Side
Ports size (in.)	6	6	6	5	6
Min/max continuous airflow (CFM at 0.2 in. w.g.)	40-157	50-226	50-259	50-111	80-209
Min/max continuous airflow (CFM at 0.4 in. w.g.)	40-140	50-210	50-241	50-100	80-183
Fan efficacy at 32°F (CFM/Watt)	2.2	2.9	3.6	1.2	1.0
Apparent sensible efficiency at 32°F¹	73%	88%	80%	77%	72%
Sensible recovery efficiency at 32°F¹	67%	75%	75%	67%	60%
Sensible recovery efficiency at -13°F¹	60%	64%	65%	61%	41%
Total recovery efficiency at 95°F¹	52%	68%	65%	53%	52%
Filtration level	MERV 7	MERV 6 / HEPA option	MERV 6 / HEPA option	HEPA	15 PPI
Filter model number	SV18204	SV63427 / 22528	SV63433 / 21996	ACCHEPARF + ACCHEPAPFK	SV60799
ENERGY STAR® Certified³	Yes	Yes	Yes	Yes	No
Dimensions (in.) H x W x D					
Side port	—	—	—	17 x 39 x 12	17 x 35 x 17 ¹ / ₄
Top port	24 ⁹ / ₁₆ x 23 ⁹ / ₁₆ x 14 ¹⁵ / ₁₆	31 x 32 x 20		—	—
Weight (lbs)	65	96	84	47	76
Warranty on parts	5 years	5 years	5 years	5 years	5 years
Warranty on core	5 years	10 years	10 years	5 years	5 years

¹Performance at low speed. ²Based on the latent recovery performance of the Broan ERV100 model.



³This product earned the ENERGY STAR rating by meeting strict energy efficiency guidelines set by Natural Resources Canada and the U.S. EPA. It meets ENERGY STAR requirements only when used in Canada.

For today's tightly constructed, energy efficient homes, Broan Energy Recovery Ventilators (ERVs) continuously supply fresh air to improve indoor air quality in every season and climate condition. These fresh air systems exchange stale indoor air and pollutants with fresh, filtered outside air and Venmar® Core Technology tempers incoming air to help maintain optimal indoor temperature and humidity levels. The result—fresh air in your home all year long.

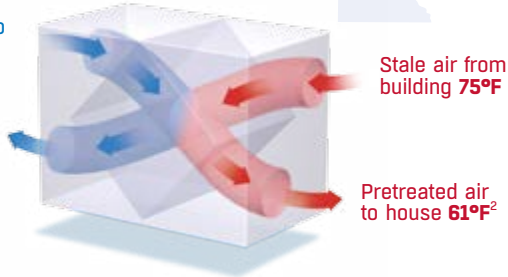
MANAGE TEMPERATURE IN EVERY SEASON

HEATING SEASON

Minneapolis, Minnesota

Outside air to house **-13°F**

7°F Stale air to outside



Stale air from building **75°F**

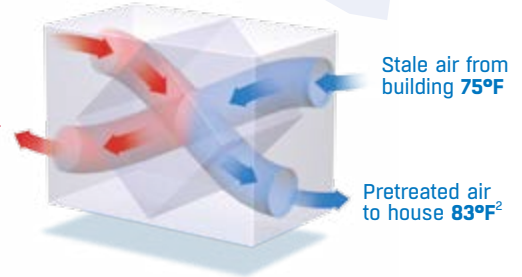
Preheated air to house **61°F**

COOLING SEASON

Phoenix, Arizona

Outside air to house **110°F**

105°F Stale air to outside



Stale air from building **75°F**

Preheated air to house **83°F**

SKY SERIES

FLEX SERIES



ERV100



ERV100+



ERVS100



ERV70



ERV110



ERV120

ERV100S

ERV100SP

ERVS100S

ERV70S / ERV70T

ERV110S / ERV110T

ERV120S / ERV120T

Side

Side

Side

Side / Top

Side / Top

Side / Top

5

5

6

4

5

5

50-115

50-113

50-115

35-78

45-112

64-130

50-102

50-101

65-105

35-70

45-105

64-120

1.2

1.2

1.4

1.3

1.2

1.2

75%

75%

71%

77%

79%

79%

67%

67%

64%

66%

67%

67%

51%

61%

—

56%

60%

60%

54%

54%

48%

50%

50%

55%

20 PPI /
MERV 7 option

20 PPI /
MERV 7 option

20 PPI /
MERV 7 option

30 PPI

30 PPI

30 PPI

SV21029 / 21030

SV21029 / 21030

SV21029 / 21030

SV18883

SV16031

SV16031

No

Yes

No

No

Yes

Yes

9 x 27¹/₈ x 20

9 x 27¹/₈ x 23¹/₈

9 x 27¹/₈ x 20

16⁵/₁₆ x 19¹³/₁₆ x 15⁵/₈

21³/₁₆ x 27¹/₁₆ x 19¹³/₁₆

—

—

—

18⁵/₈ x 15⁷/₁₆ x 15⁵/₈

16¹/₄ x 23⁵/₈ x 19¹³/₁₆

32

35

40

34

45

45

5 years

5 years

5 years

5 years

5 years

5 years

5 years

5 years

5 years

5 years

5 years

5 years

Residential Main Wall Controls

Broan offers simple to more advanced wall controls to customize your fresh air system.

Auxiliary Wall Controls provide additional control:

- VB20W Bathroom override 20-minute timer
- VB60W Bathroom override 20/40/60-minute timer



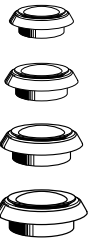
SELECT THE WALL CONTROL BEST SUITED TO YOUR NEEDS

Model	Main Wall Controls					Auxiliary		Main Wall Control Features				
	VT4W	VT6W	VT7W	VT8W	VT9W	VB20W	VB60W	VT4W	VT6W	VT7W	VT8W	VT9W
ERV70	•	•	•	•		•	•	•	•	•	•	•
ERV100	•	•	•	•		•	•	•	•	•	•	•
ERV100+	•	•	•	•		•	•	•	•	•	•	•
ERVS100						•			•			•
ERVH100	•	•	•	•		•	•					
ERV110	•	•	•	•		•				•	•	•
ERV120	•	•	•	•		•						•
ERV140 ECM			•	•		•	•					
ERV180	•	•	•			•				•	•	
ERV200 ECM					•	•	•				•	•
ERV250 ECM					•	•	•					•

ACCESSORIES See the complete line at www.broan.com

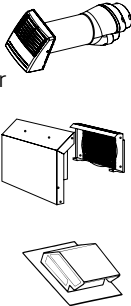
WHISPER REGISTERS

- Model V01269**
• 4" intake and exhaust
- Model V02863**
• 5" intake and exhaust
- Model V01271**
• 6" intake and exhaust
- Model V03585**
• 8" intake and exhaust



EXTERIOR VENTS

- Model TYIK1**
• Tandem transition kit for units at 110 CFM and under
- Model 1607100**
• IN2000 hood kit (set 2)
- Model 12570**
• Anti-gust intake 6"
- Model 634M**
• Roof cap up to 6"



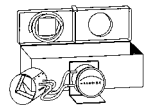
GRILLES/PLASTIC REGISTERS

- Model V04790**
• Duct connector baffle 8" x 12"
- Model V04400**
• Duct connector 8" x 12"




AIRFLOW BALANCING KITS

- Model 18222**
• Balancing kit 0.5" and 1" H2O
- Model V11001**
• Airflow collar 6"d
- Model V11246**
• Airflow collar 8"d
- Model V11247**
• Airflow collar 7"d



Broan.com

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