

Fresh Air Systems

BROAN

Better Air. Better Life.

Energy Recovery Ventilators



Broan® Energy Recovery Ventilators

Fresh air wherever you live.™

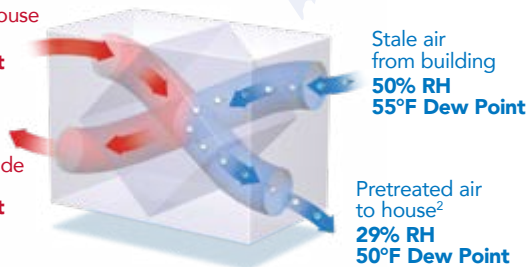
Manage humidity in every climate

Dry Climate

Las Vegas, Nevada

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

Stale air to outside
27% RH
50°F Dew Point

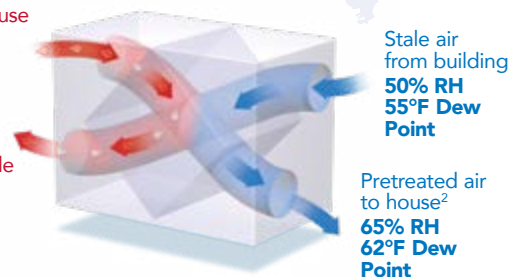








Humid Climate

Orlando, Florida

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

Stale air to outside
65% RH
62°F Dew Point



| | HE SERIES | | | ADVANCED SERIES | | |
|----------------------------------------------------------|------------------------------------------------------------------------------------|------------------------------------------------------------------------------------|-------------------------------------------------------------------------------------|--------------------------------------------------------------------------------------|--------------------------------------------------------------------------------------|--------------------------------------------------------------------------------------|
| |  |  |  |  |  |  |
| Model Name | ERV140 ECM | ERV200 ECM | ERV250 ECM | ERVH100 | ERV180 | ERV130FL |
| Model Number | ERV140TE | ERV200TE | ERV250TE | ERVH100S | ERV180S | ERV130FLS |
| Min/Max Continuous Airflow (CFM at 0.2 in. w.g.) | 40–157 | 50–226 | 50–259 | 50–111 | 80–209 | 66–155 |
| Min/Max Continuous Airflow (CFM at 0.4 in. w.g.) | 40–140 | 50–210 | 50–241 | 50–100 | 80–183 | 66–129 |
| Fan Efficacy at 32°F (CFM/Watt) | 2.2 | 2.9 | 3.6 | 1.2 | 1.0 | 1.03 |
| Apparent Sensible Efficiency at 32°F¹ | 73% | 88% | 80% | 77% | 72% | 82% |
| Sensible Recovery Efficiency at 32°F¹ | 67% | 75% | 75% | 67% | 60% | 75% |
| Sensible Recovery Efficiency at –13°F¹ | 60% | 64% | 65% | 61% | 41% | 60% |
| Total Recovery Efficiency at 95°F¹ | 52% | 68% | 65% | 53% | 52% | 60% |
| Filtration Level | MERV 7 | MERV 6 / HEPA option | MERV 6 / HEPA option | HEPA | 15 PPI | MERV 6 / MERV 8 option |
| Filter Model Number | SV18204 | SV63427 / 22528 | SV63433 / 21996 | ACCHEPARF + ACCHEPAPFK | SV60799 | V65683 |
| ENERGY STAR® Certified³ | Yes | Yes | Yes | Yes | No | Yes |
| Ports Location | Top | Top | Top | Side | Side | Side |
| Ports Size (in.) | 6 | 6 | 6 | 5 | 6 | 5 |
| Dimensions (in.) H x W x D | | | | | | |
| Side Port | — | — | — | 17 x 39 x 12 | 17 x 35 x 17¼ | 22¼ x 22¼ x 13⅞ |
| Top Port | 24¼ x 23¼ x 14⅛ | 31 x 32 x 20 | | — | — | — |
| Weight (lbs) | 65 | 96 | 84 | 47 | 76 | 50.5 |
| Warranty on Parts | 5 Years | 5 Years | 5 Years | 5 Years | 5 Years | 5 Years |
| Warranty on Core | 5 Years | 10 Years | 10 Years | 5 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. Our core technology tempers incoming air to help maintain optimal indoor temperature and humidity levels. The result—fresh air in your home all year long.

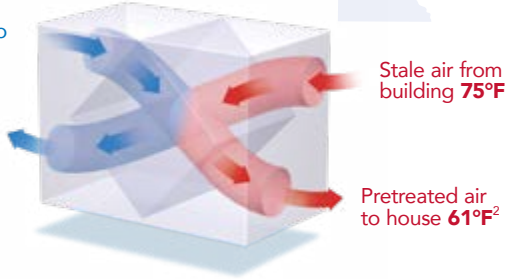
Manage temperature in every season

Heating Season

Minneapolis, Minnesota

Outside air to house **-13°F**

7°F Stale air to outside

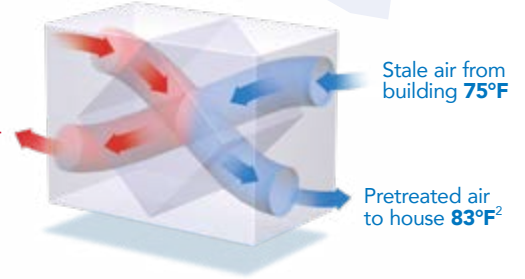








Cooling Season

Phoenix, Arizona

Outside air to house **110°F**

105°F Stale air to outside



| SKY SERIES | | | COMPACT FLEX SERIES™ | | |
|------------------------------------------------------------------------------------|------------------------------------------------------------------------------------|------------------------------------------------------------------------------------|-----------------------------------------------------------------------------------------------------|------------------------------------------------------------------------------------------------------|--------------------------------------------------------------------------------------|
|  |  |  |  |  |  |
| ERV100 | ERV100+ | ERVS100 | ERV70 | ERV110 | ERV120 |
| ERV100S | ERV100SP | ERVS100S | ERV70S / ERV70T | ERV110S / ERV110T | ERV120S / ERV120T |
| 50-108 | 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% |
| 50% | 50% | 48% | 41% | 50% | 50% |
| 20 PPI / MERV 8 option | 20 PPI / MERV 8 option | 20 PPI / MERV 8 option | 30 PPI | 30 PPI | 30 PPI |
| SV21029 / 21030 | SV21029 / 21030 | SV21029 / 21030 | SV18883 | SV16031 | SV16031 |
| No | Yes | No | No | Yes | Yes |
| Side | Side | Side | Side / Top | Side / Top | Side / Top |
| 5 | 5 | 6 | 4 | 5 | 5 |
| 9 x 27 ¹ / ₈ x 20 | 9 x 27 ¹ / ₈ x 23 ¹ / ₈ | 9 x 27 ¹ / ₈ x 20 | 16 ⁵ / ₁₆ x 19 ¹³ / ₁₆ x 15 ⁵ / ₈ | 21 ³ / ₁₆ x 27 ¹ / ₁₆ x 19 ¹³ / ₁₆ | |
| — | — | — | 18 ⁵ / ₈ x 15 ⁷ / ₁₆ x 15 ⁵ / ₈ | 16 ¹ / ₄ x 23 ⁵ / ₈ x 19 ¹³ / 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 |

Wall Controls & Accessories

Residential Main Wall Controls Broan® offers simple to more advanced wall controls to customize your fresh air system.



VT4W VT6W VT7W VT8W VT9W

Auxiliary Wall Controls can provide additional control to homeowners.



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

Select the wall control best suited to your needs

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

Wall control features

| Model | VT4W | VT6W | VT7W | VT8W | VT9W |
|----------------------------------|------|------|------|------|------|
| Continuous minimum speed | • | • | • | • | • |
| Continuous maximum speed | • | • | • | • | • |
| Dehumidistat | | • | • | | • |
| Intermittent: 20 minutes/hour | • | | • | • | • |
| Turbo: Maximum speed for 4 hours | | | | | • |
| Recirculation | | | • | • | • |
| Smart | | | | • | • |
| Program | | | | • | |
| Electronic balancing | | | | | • |

Accessories*

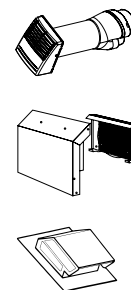
WHISPER REGISTERS

- 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 VTYIK1**
• Tandem transition kit for units at 110 CFM and under
- Model V1607100**
• IN2000 hood kit (set 2)
- Model V12570**
• Anti-gust intake 6"
- Model 634M**
• Roof cap up to 6"



GRILLES AND PLASTIC REGISTERS

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



AIRFLOW BALANCING KITS

- Model V18222**
• Balancing kit 0.5" and 1" H20
- Model V11001**
• Air flow collar 6" d
- Model V11246**
• Air flow collar 8" d
- Model V11247**
• Air flow collar 7" d

