

## Very High Efficiency Dedicated Outside Air System:

# Heat/Energy Recovery Ventilator Compliant Products

The following heat/energy recovery ventilator (HRV/ERV) equipment is compliant with the prescriptive requirements path of the [Very High Efficiency Dedicated Outside Air System \(very high efficiency DOAS\) Requirements](#) (see table A1: Minimum Requirements). Compliant HRV/ERV equipment is only one of four key system components needed to be a qualifying very high efficiency DOAS. Please refer to System Requirements table on page 2 of the [Very High Efficiency DOAS Requirements Summary](#) resource for additional details on the key components for a qualifying very high efficiency DOAS.

For more information on very high efficiency DOAS, including research findings and case studies, visit: [betterbricks.com/vhedoas](https://betterbricks.com/vhedoas).

Table A2: HRV/ERV Compliant Products<sup>5</sup>

| Manufacturer | Model #                      | HRV/ERV | Nominal CFM |
|--------------|------------------------------|---------|-------------|
| Greenheck    | ERV-10-20H-VG                | ERV     | 667         |
| Greenheck    | ERV-20-15L                   | ERV     | 1434        |
| Greenheck    | ERVe-20-15L                  | ERV     | 1434        |
| Greenheck    | ERV-20-30L <sup>1</sup>      | ERV     | 1734        |
| Greenheck    | ERVe-20-30L <sup>1</sup>     | ERV     | 1734        |
| Greenheck    | ERVe-35-30L <sup>1</sup>     | ERV     | 2600        |
| Greenheck    | ERV-45-15H                   | ERV     | 2600        |
| Greenheck    | ERV-45-15L                   | ERV     | 3034        |
| Greenheck    | ERV-45-30L <sup>1</sup>      | ERV     | 3700        |
| Greenheck    | ERVe-45-30L <sup>1</sup>     | ERV     | 3700        |
| Greenheck    | ERV-90-15L                   | ERV     | 6000        |
| Greenheck    | ERVi-10-HE <sup>1</sup>      | ERV     | 1226        |
| Greenheck    | ERVi-20-HE <sup>1</sup>      | ERV     | 1745        |
| Greenheck    | IVE-10-HE <sup>1</sup>       | ERV     | 1226        |
| Greenheck    | IVE-20-HE <sup>1</sup>       | ERV     | 1745        |
| Oxygen8      | Ventum H05                   | HRV     | 600         |
| Oxygen8      | Ventum H10                   | HRV     | 1000        |
| Oxygen8      | Ventum H15                   | HRV     | 1150        |
| Oxygen8      | Ventum H20                   | HRV     | 1530        |
| Oxygen8      | Ventum H25                   | HRV     | 2250        |
| Oxygen8      | Ventum H30                   | HRV     | 3000        |
| Oxygen8      | Ventum H10                   | ERV     | 1000        |
| Oxygen8      | Ventum H15                   | ERV     | 1350        |
| Oxygen8      | Ventum H20                   | ERV     | 1800        |
| Oxygen8      | Ventum H30                   | ERV     | 3000        |
| Oxygen8      | Ventum Lite H04 <sup>4</sup> | HRV     | 450         |
| Oxygen8      | Ventum+ V20                  | HRV     | 1800        |
| Oxygen8      | Ventum+ V25                  | HRV     | 2400        |
| Oxygen8      | Ventum+ V30                  | HRV     | 3200        |
| Oxygen8      | Ventum+ V40                  | HRV     | 4000        |

Table A2: HRV/ERV Compliant Products<sup>5</sup>

| Manufacturer | Model #            | HRV/ERV | Nominal CFM |
|--------------|--------------------|---------|-------------|
| Oxygen8      | Ventum+ V60        | HRV     | 5600        |
| Oxygen8      | Ventum+ V80        | HRV     | 6933        |
| Oxygen8      | Ventum+ V100       | HRV     | 8667        |
| Oxygen8      | Ventum+ V20        | ERV     | 1800        |
| Oxygen8      | Ventum+ V25        | ERV     | 2400        |
| Oxygen8      | Ventum+ V30        | ERV     | 3200        |
| Oxygen8      | Ventum+ V40        | ERV     | 4000        |
| Oxygen8      | Ventum+ V50        | ERV     | 4800        |
| Oxygen8      | Ventum+ V60        | ERV     | 6400        |
| Oxygen8      | Ventum+ V80        | ERV     | 8000        |
| Oxygen8      | Ventum+ V100       | ERV     | 10000       |
| RenewAire    | HE07               | ERV     | 233         |
| RenewAire    | HE10 <sup>6</sup>  | ERV     | 350         |
| RenewAire    | HE1.5              | ERV     | 520         |
| SEMCO        | EP-03 <sup>1</sup> | ERV     | 1700        |
| SEMCO        | EP-05 <sup>1</sup> | ERV     | 3000        |
| SEMCO        | EP-09 <sup>1</sup> | ERV     | 5100        |
| SEMCO        | EP-13 <sup>1</sup> | ERV     | 7900        |
| SEMCO        | EP-18 <sup>1</sup> | ERV     | 10900       |
| SEMCO        | EP-24 <sup>1</sup> | ERV     | 14300       |
| SEMCO        | EP-28 <sup>1</sup> | ERV     | 17000       |
| SEMCO        | EP-35 <sup>1</sup> | ERV     | 21100       |
| SEMCO        | EP-43 <sup>1</sup> | ERV     | 25700       |
| SEMCO        | EP-46 <sup>1</sup> | ERV     | 28000       |
| SEMCO        | EP-56 <sup>1</sup> | ERV     | 33600       |
| SEMCO        | EP-70 <sup>1</sup> | ERV     | 42200       |
| Swegon       | Gold RX 05         | HRV     | 840         |
| Swegon       | Gold RX 07         | HRV     | 1430        |
| Swegon       | Gold RX 08         | HRV     | 1530        |
| Swegon       | Gold RX 11         | HRV     | 2200        |

| Manufacturer | Model #        | HRV/ERV | Nominal CFM |
|--------------|----------------|---------|-------------|
| Swegon       | Gold RX 12     | HRV     | 2370        |
| Swegon       | Gold RX 14     | HRV     | 3530        |
| Swegon       | Gold RX 20     | HRV     | 3570        |
| Swegon       | Gold RX 25     | HRV     | 4730        |
| Swegon       | Gold RX 30     | HRV     | 4730        |
| Swegon       | Gold RX 35     | HRV     | 7600        |
| Swegon       | Gold RX 50     | HRV     | 10670       |
| Swegon       | Gold RX 05 MTE | ERV     | 840         |
| Swegon       | Gold RX 07 MTE | ERV     | 1430        |
| Swegon       | Gold RX 08 MTE | ERV     | 1530        |
| Swegon       | Gold RX 11 MTE | ERV     | 2200        |
| Swegon       | Gold RX 12 MTE | ERV     | 2370        |
| Swegon       | Gold RX 14 MTE | ERV     | 3530        |
| Swegon       | Gold RX 20 MTE | ERV     | 3570        |
| Swegon       | Gold RX 25 MTE | ERV     | 4730        |
| Swegon       | Gold RX 30 MTE | ERV     | 4730        |
| Swegon       | Gold RX 35 MTE | ERV     | 7600        |
| Swegon       | Gold RX 40 MTE | ERV     | 7870        |
| Swegon       | Gold RX 50 MTE | ERV     | 10670       |
| Swegon       | Gold RX 60 MTE | ERV     | 10710       |
| Swegon       | Gold RX 70 MTE | ERV     | 14400       |
| Swegon       | Gold RX 80 MTE | ERV     | 14670       |
| Swegon       | Gold RX 04 STE | HRV     | 950         |
| Swegon       | Gold RX 05 STE | HRV     | 1380        |
| Swegon       | Gold RX 07 STE | HRV     | 1590        |
| Swegon       | Gold RX 08 STE | HRV     | 2120        |
| Swegon       | Gold RX 11 STE | HRV     | 2330        |
| Swegon       | Gold RX 12 STE | HRV     | 2970        |
| Swegon       | Gold RX 14 STE | HRV     | 3500        |
| Swegon       | Gold RX 20 STE | HRV     | 4450        |
| Swegon       | Gold RX 25 STE | HRV     | 5300        |
| Swegon       | Gold RX 30 STE | HRV     | 6780        |
| Swegon       | Gold RX 35 STE | HRV     | 8260        |
| Swegon       | Gold RX 40 STE | HRV     | 10590       |
| Swegon       | Gold RX 50 STE | HRV     | 10590       |
| Swegon       | Gold RX 70 STE | HRV     | 16950       |
| Swegon       | Gold RX 05 STE | ERV     | 1380        |
| Swegon       | Gold RX 07 STE | ERV     | 1590        |
| Swegon       | Gold RX 08 STE | ERV     | 2120        |
| Swegon       | Gold RX 11 STE | ERV     | 2330        |
| Swegon       | Gold RX 12 STE | ERV     | 2970        |
| Swegon       | Gold RX 14 STE | ERV     | 3500        |
| Swegon       | Gold RX 20 STE | ERV     | 4450        |
| Swegon       | Gold RX 25 STE | ERV     | 5300        |
| Swegon       | Gold RX 30 STE | ERV     | 6780        |
| Swegon       | Gold RX 35 STE | ERV     | 8260        |
| Swegon       | Gold RX 50 STE | ERV     | 10590       |

| Manufacturer | Model #                | HRV/ERV | Nominal CFM |
|--------------|------------------------|---------|-------------|
| Swegon       | Gold RX 70 STE         | ERV     | 16950       |
| Swegon       | Gold RX 04 MPE         | HRV     | 950         |
| Swegon       | Gold RX 05 MPE         | HRV     | 1380        |
| Swegon       | Gold RX 07 MPE         | HRV     | 1590        |
| Swegon       | Gold RX 08 MPE         | HRV     | 2120        |
| Swegon       | Gold RX 11 MPE         | HRV     | 2330        |
| Swegon       | Gold RX 12 MPE         | HRV     | 2970        |
| Swegon       | Gold RX 14 MPE         | HRV     | 3500        |
| Swegon       | Gold RX 20 MPE         | HRV     | 4450        |
| Swegon       | Gold RX 25 MPE         | HRV     | 5300        |
| Swegon       | Gold RX 30 MPE         | HRV     | 6780        |
| Swegon       | Gold RX 35 MPE         | HRV     | 8260        |
| Swegon       | Gold RX 40 MPE         | HRV     | 10590       |
| Swegon       | Gold RX 50 MPE         | HRV     | 10590       |
| Swegon       | Gold RX 60 MPE         | HRV     | 13770       |
| Swegon       | Gold RX 70 MPE         | HRV     | 16950       |
| Swegon       | Gold RX 04 MPE         | ERV     | 950         |
| Swegon       | Gold RX 05 MPE         | ERV     | 1380        |
| Swegon       | Gold RX 07 MPE         | ERV     | 1590        |
| Swegon       | Gold RX 08 MPE         | ERV     | 2120        |
| Swegon       | Gold RX 11 MPE         | ERV     | 2330        |
| Swegon       | Gold RX 12 MPE         | ERV     | 2970        |
| Swegon       | Gold RX 14 MPE         | ERV     | 3500        |
| Swegon       | Gold RX 20 MPE         | ERV     | 4450        |
| Swegon       | Gold RX 25 MPE         | ERV     | 5300        |
| Swegon       | Gold RX 30 MPE         | ERV     | 6780        |
| Swegon       | Gold RX 35 MPE         | ERV     | 8260        |
| Swegon       | Gold RX 40 MPE         | ERV     | 10590       |
| Swegon       | Gold RX 50 MPE         | ERV     | 10590       |
| Swegon       | Gold RX 70 MPE         | ERV     | 16950       |
| Swegon       | CASA R5                | HRV     | 250         |
| Swegon       | CASA R7                | HRV     | 400         |
| Swegon       | CASA R9                | HRV     | 510         |
| Swegon       | CASA R5                | ERV     | 250         |
| Swegon       | CASA R7                | ERV     | 400         |
| Swegon       | CASA R9                | ERV     | 510         |
| Systemair    | Geniox 10 <sup>7</sup> | HRV     | 1300        |
| Systemair    | Geniox 11 <sup>7</sup> | HRV     | 1700        |
| Systemair    | Geniox 12 <sup>7</sup> | HRV     | 2200        |
| Systemair    | Geniox 14 <sup>7</sup> | HRV     | 3000        |
| Systemair    | Geniox 16 <sup>7</sup> | HRV     | 4000        |
| Systemair    | Geniox 18 <sup>7</sup> | HRV     | 5500        |
| Systemair    | Geniox 20 <sup>7</sup> | HRV     | 6000        |
| Systemair    | Geniox 22 <sup>7</sup> | HRV     | 7100        |
| Systemair    | Geniox 24 <sup>7</sup> | HRV     | 8500        |
| Systemair    | Geniox 27 <sup>7</sup> | HRV     | 11000       |
| Tempeff      | RG 1000 <sup>3</sup>   | HRV     | 1000        |

Table A2: HRV/ERV Compliant Products<sup>5</sup>

| Manufacturer | Model #                 | HRV/ERV | Nominal CFM |
|--------------|-------------------------|---------|-------------|
| Tempeff      | RG 1500 <sup>3</sup>    | HRV     | 1500        |
| Tempeff      | RG 2000 <sup>3</sup>    | HRV     | 2000        |
| Tempeff      | RG 3000 <sup>3</sup>    | HRV     | 3000        |
| Tempeff      | RG 4000 <sup>3</sup>    | HRV     | 4000        |
| Tempeff      | RG 5500 <sup>3</sup>    | HRV     | 5500        |
| Tempeff      | RG 6500 <sup>3</sup>    | HRV     | 6500        |
| Tempeff      | RGL 1000 <sup>3</sup>   | HRV     | 1000        |
| Tempeff      | RGL 1500 <sup>3</sup>   | HRV     | 1500        |
| Tempeff      | RGL 2000 <sup>3</sup>   | HRV     | 2000        |
| Tempeff      | RGL 3000 <sup>3</sup>   | HRV     | 3000        |
| Tempeff      | RGL 4000 <sup>3</sup>   | HRV     | 4000        |
| Tempeff      | RGL 5500 <sup>3</sup>   | HRV     | 5500        |
| Tempeff      | RGL 6500 <sup>3</sup>   | HRV     | 6500        |
| Valent       | ERW-E1-20H              | ERV     | 667         |
| Valent       | ERW-E2-15L              | ERV     | 1434        |
| Valent       | ERW-E2-30L <sup>1</sup> | ERV     | 1734        |
| Valent       | ERW-E3-30L <sup>1</sup> | ERV     | 2600        |
| Valent       | ERW-E4-30L <sup>1</sup> | ERV     | 3700        |
| Valent       | ERW-I1-HE <sup>1</sup>  | ERV     | 1226        |
| Valent       | ERW-I2-HE <sup>1</sup>  | ERV     | 1745        |
| Valent       | VIVE-I1-HE <sup>1</sup> | ERV     | 1226        |
| Valent       | VIVE-I2-HE <sup>1</sup> | ERV     | 1745        |
| Ventacity    | VS1000 RTh              | HRV     | 1000        |
| Ventacity    | VS1000 RTe              | ERV     | 1000        |
| Ventacity    | VS3000 RTh              | HRV     | 3000        |

Table A2: HRV/ERV Compliant Products<sup>5</sup>

| Manufacturer                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               | Model #    | HRV/ERV | Nominal CFM |
|------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|------------|---------|-------------|
| Ventacity                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  | VS3000 RTe | ERV     | 3000        |
| Ventacity                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  | VS1200CMh  | HRV     | 1200        |
| Ventacity                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  | VS900CMh   | HRV     | 900         |
| Ventacity                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  | VS400CMh   | HRV     | 400         |
| Ventacity                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  | VS250CMh   | HRV     | 250         |
| Ventacity                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  | VS500SQh   | HRV     | 500         |
| <b>Compliance Notes</b>                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    |            |         |             |
| <p>[1] Compliant unit must include energy recovery purge section to minimize exhaust air leakage. Unit must be selected to operate at greater than 0 in. wg. differential pressure between outside air and exhaust air pathways.</p> <p>[2] HRV/ERV units less than 300 CFM are not listed on the CPL unless they are part of a larger compliant product family.</p> <p>[3] Compliant unit must be mounted outdoors and without exhaust ductwork to meet crossflow leakage requirement.</p> <p>[4] Unit requires Central DDC for defrost control and the defrost activation should be controlled via differential pressure sensor or exhaust air temperature.</p> <p>[5] When project design weather conditions require HRV/ERV defrost (i.e., Project Design winter dry-bulb temperature &lt; temperature at which defrost typically begins to form on the wheel or core), the HRV/ERV specified for the project must include a compliant defrost control method. In these cases, defrost control cannot be any of the following prohibited methods: timed exhaust, recirculation of return air, electric resistance without modulating control.</p> <p>[6] Product may not be installed with the 460V/3 phase advanced EC direct drive fan.</p> <p>[7] Rotary heat exchanger is the compliant option</p> |            |         |             |