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Advanced Performance 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 Advanced Performance Dedicated Outside Air System (DOAS) Requirements (see table A1: Minimum Requirements). Compliant HRV/ERV equipment is only one of four key system components needed to be a qualifying advanced performance DOAS. Please refer to System Requirements table on page 2 of the Advanced Performance DOAS Requirements Summary resource for additional details on the key components for a qualifying advanced performance DOAS.

For more information on advanced performance DOAS, including research findings and case studies, visit: betterbricks.com/apdoas.

Table A2: HRV/ERV Compliant Products[5]

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[1]	ERV	1734
Greenheck	ERVe-20-30L[1]	ERV	1734
Greenheck	ERVe-35-30L[1]	ERV	2600
Greenheck	ERV-45-15H	ERV	2600
Greenheck	ERV-45-15L	ERV	3034
Greenheck	ERV-45-30L[1]	ERV	3700
Greenheck	ERVe-45-30L[1]	ERV	3700
Greenheck	ERV-90-15L	ERV	6000
Greenheck	ERVi-10-HE[1]	ERV	1226
Greenheck	ERVi-20-HE[1]	ERV	1745
Greenheck	IVE-10-HE[1]	ERV	1226
Greenheck	IVE-20-HE[1]	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[4]	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[5]

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[6]	ERV	350
RenewAire	HE1.5	ERV	520
SEMCO	EP-03[1]	ERV	1700
SEMCO	EP-05[1]	ERV	3000
SEMCO	EP-09[1]	ERV	5100
SEMCO	EP-13[1]	ERV	7900
SEMCO	EP-18[1]	ERV	10900
SEMCO	EP-24[1]	ERV	14300
SEMCO	EP-28[1]	ERV	17000
SEMCO	EP-35[1]	ERV	21100
SEMCO	EP-43[1]	ERV	25700
SEMCO	EP-46[1]	ERV	28000
SEMCO	EP-56[1]	ERV	33600
SEMCO	EP-70[1]	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

Table A2: HRV/ERV Compliant Products[5]			
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

Table A2: HRV/ERV Compliant Products[5]			
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[7]	HRV	1300
Systemair	Geniox 11[7]	HRV	1700
Systemair	Geniox 12[7]	HRV	2200
Systemair	Geniox 14[7]	HRV	3000
Systemair	Geniox 16[7]	HRV	4000
Systemair	Geniox 18[7]	HRV	5500
Systemair	Geniox 20[7]	HRV	6000
Systemair	Geniox 22[7]	HRV	7100
Systemair	Geniox 24[7]	HRV	8500
Systemair	Geniox 27[7]	HRV	11000
Tempeff	RG 1000[3]	HRV	1000

Table A2: HRV/ERV Compliant Products[5]			
Manufacturer	***Model #***	***HRV/ERV***	***Nominal CFM***
Tempeff	RG 1500[3]	HRV	1500
Tempeff	RG 2000[3]	HRV	2000
Tempeff	RG 3000[3]	HRV	3000
Tempeff	RG 4000[3]	HRV	4000
Tempeff	RG 5500[3]	HRV	5500
Tempeff	RG 6500[3]	HRV	6500
Tempeff	RGL 1000[3]	HRV	1000
Tempeff	RGL 1500[3]	HRV	1500
Tempeff	RGL 2000[3]	HRV	2000
Tempeff	RGL 3000[3]	HRV	3000
Tempeff	RGL 4000[3]	HRV	4000
Tempeff	RGL 5500[3]	HRV	5500
Tempeff	RGL 6500[3]	HRV	6500
Tempeff	RGSP-X 1600	ERV	1500
Valent	ERW-E1-20H	ERV	667
Valent	ERW-E2-15L	ERV	1434
Valent	ERW-E2-30L[1]	ERV	1734
Valent	ERW-E3-30L[1]	ERV	2600
Valent	ERW-E4-30L[1]	ERV	3700
Valent	ERW-I1-HE[1]	ERV	1226
Valent	ERW-I2-HE[1]	ERV	1745
Valent	VIVE-I1-HE[1]	ERV	1226
Valent	VIVE-I2-HE[1]	ERV	1745
Ventacity	VS1000 RTh	HRV	1000
Ventacity	VS1000 RTe	ERV	1000
Ventacity	VS3000 RTh	HRV	3000
Ventacity	VS3000 RTe	ERV	3000

Table A2: HRV/ERV Compliant Products[5]			
Manufacturer	***Model #***	***HRV/ERV***	***Nominal CFM***
Ventacity	VS1200CMh	HRV	1200
Ventacity	VS900CMh	HRV	900
Ventacity	VS400CMh	HRV	400
Ventacity	VS250CMh	HRV	250
Ventacity	VS500SQh	HRV	500

Compliance Notes

[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.
[2] HRV/ERV units less than 300 CFM are not listed on the CPL unless they are part of a larger compliant product family.
[3] Compliant unit must be mounted outdoors and without exhaust ductwork to meet crossflow leakage requirement.
[4] Unit requires Central DDC for defrost control and the defrost activation should be controlled via differential pressure sensor or exhaust air temperature.
[5] When project design weather conditions require HRV/ERV defrost (i.e., Project Design winter dry-bulb temperature < 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.
[6] Product may not be installed with the 460V/3 phase advanced EC direct drive fan.
[7] Rotary heat exchanger is the compliant option