

HEAT RECOVERY VENTILATOR PROFESSIONAL (PH 7.15 AND PH 10.22)

Solutions worthy of nature...™



model **PH**[™] PROFESSIONAL (7.15 AND 10.22)

Features

- 2 operating modes (INTERMITTENT and CONTINUOUS)
- Variable speed
- Proportional defrost (Patent Pending)
- ISF™ 6" (dia.) collar system
- 10-year limited warranty on ventilation motors
- Lifetime limited warranty on the heat recovery core
- 5-year limited warranty on all other components



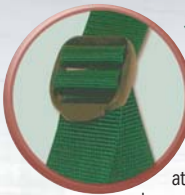
German Engineered motors

All Greentek™ products are designed with high-performance and reliable motors for your comfort and peace of mind. Factory sealed and dynamically balanced, our motors are maintenance-free for years to come.



ISF™ collar system (Patent Pending)

Quick and simple to install thanks to our revolutionary "Insert Slide and Fix™" collar system. The "ISF™ 6" (dia.) collar system by Greentek™ enables you to manipulate duct within your reach and then insert the collar to the HRV/ERV by sliding it in place, for a better and quicker installation.



SPM™ attachment system

The entire line of Greentek™ HRV/ERV products is designed for installation by a single person. "Single Person Mounting™" will enable you to save time and effort by offering you a variable attachment system and maximizing your basement space.



DuoTrol™ balancing system (Patent Pending)

Silent and economical... By reducing motor speed to balance the unit, you avoid the noise that would be produced by balancing dampers. In addition, with this technology the unit will consume less energy.

Why is our system the best?

FEATURES

- Selection of controls
- Selection of filters and accessories
- Compact installation
- "DuoTrol™" balancing system (patent pending)
- Sloped drain pan
- "Push Through" design
- Backward inclined motor blades
- Permanent lubrication of PSC motors
- Door opens upward
- No obstruction around the drain pan
- Simple electronic control
- Auxiliary connecting relays
- 10-year limited warranty on the ventilation motors
- Lifetime warranty on the heat recovery core
- Easy access to the control connection box
- "ISF™ 6" (dia.) collar system (patent pending)
- "SPM™" attachment system
- Also available: **PE** (Energy Recovery Core)

BENEFITS

- Operating flexibility
- Better air quality
- Maximizes your space
- Silent and economical
- Eliminates bacteria-producing stagnant water
- Silent
- Better performance
- Maintenance-free bearings
- Easy access
- Easy to clean
- Easy to operate
- No relay necessary
- Reliable and trouble-free
- Peace of mind
- Eliminates risks of error
- Quick and simple to install
- Variable settings

Technology and Know-how

makes it clean & simple...™

Range of controls

For optimal performance of your HRV/ERV system.

GreenThinker™ model



USER-FRIENDLY CONTROLS
RD-4P and T-3 models shown above

The entire range of GreenThinker™ model controls is offered with features making your ventilation system simple, easy to operate and backed by a 5-year limited warranty.

Choose from: RD-1, RD-2, RD-3P, RD-4P and T-3 (Push-Button Timer)



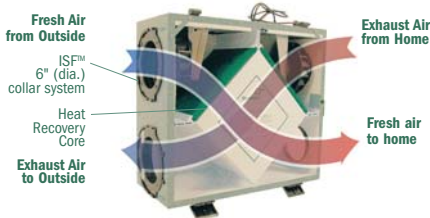
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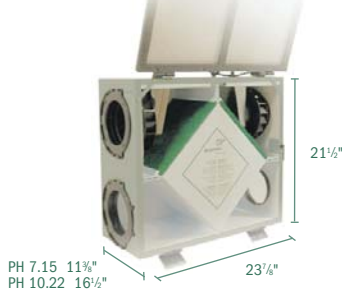
Think Green™

Push Through operation system

The illustrations show the operation of a Greentek™ system. Outside air is pushed through the heat exchanger, which acts as a noise attenuator. This process is very silent and provides you with better home comfort.



Easy Access Door removable top hinge door



Silent operation for better home comfort...™

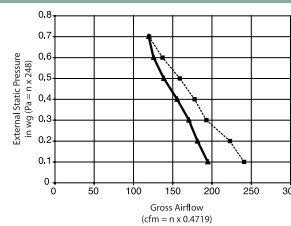
Proportional Defrost operation system

The defrost energy is controlled by the outdoor air temperature. The motor speed essentially increases as outdoor temperature drops to provide increased defrost capacity. For instance, at -5°C the defrost mode will function at low speed. This technology reduces energy usage by eliminating unnecessary defrost energy during milder days and offers a more silent operation.



VENTILATION PERFORMANCE PH 7.15

External Static Pressure		Net Supply Air Flow		Supply		Gross Air Flow		Exhaust	
Pa	in. W.C.	L/s	CFM	L/s	CFM	L/s	CFM	L/s	CFM
25	0.1	92	195	92	196	113	241		
50	0.2	85	182	86	183	105	223		
75	0.3	80	171	81	172	91	193		
100	0.4	73	156	74	157	84	178		
125	0.5	65	139	66	140	75	159		
150	0.6	59	126	60	127	65	137		
175	0.7	56	120	57	120	57	120		

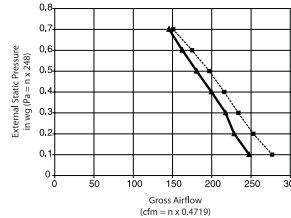


Tested by: Bodycote Material Testing Canada Inc. (Ortech)

Example: The PH 7.15 ventilation coverage goes up to 3500 square feet at 0.35 ACH and an external static pressure design of 0.2 in W.C.

VENTILATION PERFORMANCE PH 10.22

External Static Pressure		Net Supply Air Flow		Supply		Gross Air Flow		Exhaust	
Pa	in. W.C.	L/s	CFM	L/s	CFM	L/s	CFM	L/s	CFM
25	0.1	117	248	118	250	130	277		
50	0.2	108	229	109	231	119	253		
75	0.3	102	218	103	220	110	234		
100	0.4	94	200	95	202	101	216		
125	0.5	85	181	86	183	92	197		
150	0.6	77	163	78	165	82	175		
175	0.7	69	146	70	148	71	151		



Tested by: Bodycote Material Testing Canada Inc. (Ortech)

ENERGY PERFORMANCE PH 7.15

	Supply Temperature		Net Air Flow		Average Power	Sensible Recovery	Apparent Sensible
	°C	°F	L/s	CFM	Watts	Efficiency	Effectiveness
HEATING	0	32	31	66	88	66	78
	0	32	42	89	104	64	76
	0	32	56	119	114	63	72
	-25	-13	32	67	86	59	77

ENERGY PERFORMANCE PH 10.22

	Supply Temperature		Net Air Flow		Average Power	Sensible Recovery	Apparent Sensible
	°C	°F	L/s	CFM	Watts	Efficiency	Effectiveness
HEATING	0	32	55	118	106	61	71
	0	32	75	160	132	58	65
	0	32	87	185	150	55	62
	-25	-13	57	120	105	58	72

* NOTE: Fan curve was done at HRV maximum speed 250 Pascals=1" of water: 0.47 L/s= 1 CFM

SPECIFICATIONS	PH 7.15	PH 10.22	IMPORTANT INFORMATION
Size	23 7/8" x 21 1/2" x 11 3/8"	23 7/8" x 21 1/2" x 16 1/2"	All Greentek™ products are backed by the best limited warranty on the market.
Heat exchanger (L x H x W)	12" x 12" x 10"	12" x 12" x 15"	
CFM	30 to 160	50 to 220	Imperial Air Technologies Inc. reserves the right to modify a product, without prior notice, whether in design, colour or specifications, in order to offer at all times a quality product that is highly competitive.
Type of heat exchanger	cross-flow (Polypropylene)	cross-flow (Polypropylene)	
Exchange surface	104 ft²	150 ft²	Please consult local authorities to find out whether the installation of electrical products requires the services of a certified technician or electrician.
Voltage	120 VAC @ 60 Hz	120 VAC @ 60 Hz	
Amperage	1.5 A	1.5 A	
Defrost type	Evacuation	Evacuation	
Certification	HVI, eCSA _{US}	HVI, eCSA _{US}	

You can find Greentek Indoor Air Quality products at the following distributor:

For expert advice, contact us at:
1-888-724-5211



Ask for a brochure on other Greentek Indoor Air Quality Products at a distributor near you.

ITEM 100373 REV DATE: 111207



† Patent Pending Technologies engineered exclusively to Greentek Indoor Air Quality Products.