

Bringing Compact to a New Level, The Lifebreath METRO 120D



- Designed for high-rise condos, apartments and townhomes with limited mechanical space.
- Low profile, fits in bulk head and drop ceilings, slim height 9.75"
- Factory set balancing
- 50-130 CFM operational range
- 3 High speed selections
- Brackets included for easy install
- Aluminum HEX Core for superior energy transfer
- Damper Defrost
- Multi-positional drain
- Removable motor and electronic assembly for easy maintenance and servicing
- Swing open e-box cover for quick access to circuit board and dip switches
- Convenient hinged door – no screws
- Outside air connections on same side of unit
- Powered damper close off outside air

ENGINEERING DATA

Thermally Conductive, Patented Aluminum HEX Core

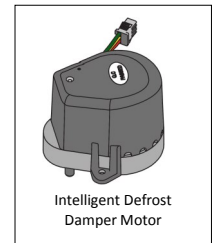
Counter-flow heat recovery core transfers heat between two airstreams. It is easily removed for cleaning or service

Motors and Blowers

Each airstream has an independent centrifugal blower with multiple fan speed operation.

Intelligent Defrost Damper Motor

- Smart damper motor with integrated circuit board
- Energy efficient DC motor
- Power saving standby mode when not cycling
- Integrated ice breaker technology
- Temperature compensated torque for reliable operation in any application
- Auto-sensed memory storage of opened and closed positions
- Soft sealing for extended part life



**** Exclusive to Lifebreath ****

Filters

Washable air filters in exhaust and supply airstreams.

Mounting the HRV

Mounting brackets supplied with unit.

Case

20 gauge prepainted galvanized steel for superior corrosion resistance, insulated to prevent exterior condensation.

Installer Selectable High Speed Settings

Adjustable DIP switches are located on the circuit board, Hi3 is the factory setting. Refer to the installation manual for the adjustment instructions.

Electronics

Main control can be wall mounted in a central location. 3 wire 20 gauge (min.) 100 ft. length (max.)

LIFEBREATH CONTROL OPTIONS

FEATURES	99-DXPL02	99-BC02	99-BC03	99-BC04
5 speed fan operation on each mode	✓			
2 speed fan operation (Low/High)		✓		✓
Continuous low speed fan operation	✓	✓	✓	✓
Humidity control through adjustable Dehumidistat	✓	✓	✓	
Large digital LCD screen	✓			
LED status indicator lights		✓	✓	✓
Continuous Ventilation	✓	✓	✓	✓
Continuous Recirculation	✓		✓	
20 ON/40 OFF	✓			
10 ON/50 OFF	✓			
20 ON/40 Recirculation	✓		✓	✓
20/40/60 min. High speed override button	✓			
Compatible with 99-DET02 Wireless Timer	✓	✓	✓	✓
3 wire connection	✓	✓	✓	✓

Accessory Options

99-190 Dual Hood—One 6 in (152 mm) opening for supply and exhaust.

Tested by: National Research Council

Program: Building Regulations for Market Access

Report Number: A1-007793, Report Date: 15 February 2016

Found to comply with requirement as set in the NBC

Accessory Options

99-163 Duct Heater w/ Electronic SCR Thermostat—1 kW, 6 in (152 mm).

99-185 Weatherhoods—Two 5 in (127 mm).

99-2626 Ceiling Mounted Access Panel For HRV and ERV with removable door. 26" x 26"

TIMER OPTIONS

99-DET01

Lifebreath 20/40/60 Minute Timer

Initiates high speed Ventilation for 20,40 or 60 minutes. 3 wire connection.

99-DET02

Wireless Lifebreath 20/40/60 Minute Timer

Initiates high speed Ventilation for 20,40 or 60 minutes. Wirelessly connects to main control for ease of installation. 40' approximate range.

**** Exclusive to Lifebreath ****

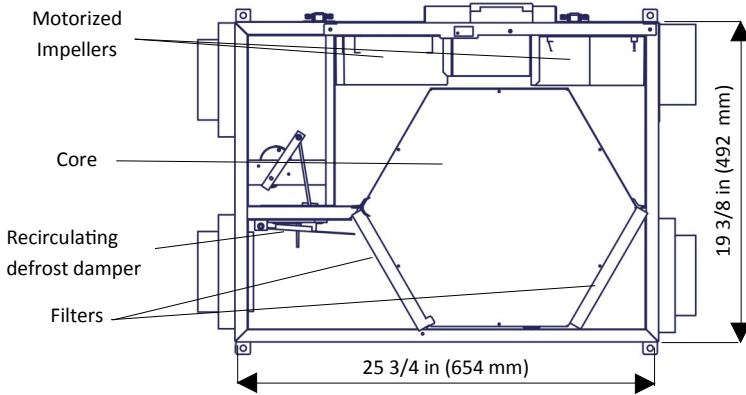
99-RX02

Wireless Lifebreath Repeater

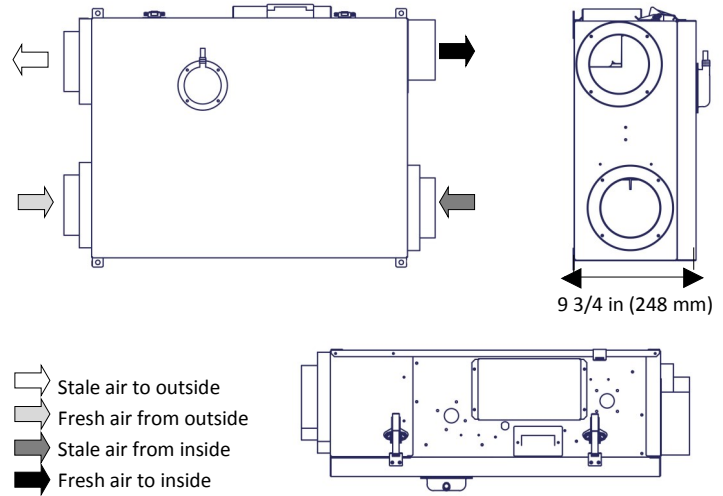
Extends range of 99-DET02 Wireless Timers. Plugs into 120V power outlet. Wirelessly connects to main control and 99-DET02. Install at halfway point between timer and main wall control if timer is out of range.

Dimensions

Weight: 37 lbs (16.8 kg) Shipping Weight: 39 lbs (17.7kg)



Note: Front clearance of 25 in (635 mm) is recommended for servicing unit.
All ducts use 5 in (125 mm) round collars.

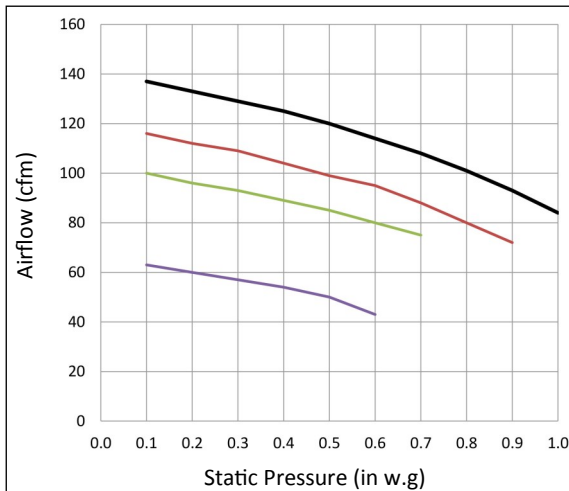


Performance (HVI Certified)

In. wg. (Pa)	0.1 (25)	0.2 (50)	0.3 (75)	0.4 (100)	0.5 (125)	0.6 (150)	0.7 (175)	0.8 (200)	0.9 (225)
	cfm (L/s)	cfm (L/s)	cfm (L/s)	cfm (L/s)	cfm (L/s)	cfm (L/s)	cfm (L/s)	cfm (L/s)	cfm (L/s)
Net Supply Airflow	139 (66)	135 (64)	131 (62)	126 (60)	122 (58)	118 (56)	113 (53)	108 (51)	102 (48)
Gross Supply Airflow	140 (66)	135 (64)	131 (62)	127 (60)	122 (58)	118 (56)	113 (53)	108 (51)	102 (48)
Gross Exhaust Airflow	138 (65)	134 (63)	130 (61)	125 (59)	121 (57)	116 (55)	111 (52)	105 (49)	97 (46)

Electrical Specifications:

VAC @ 60Hz	120
Watts / Low Speed	62
Watts / High Speed	158
Amp Rating	1.4



Sensible Effectiveness (ASE) @ 48 cfm (23 L/s)	32°F (0°C)	81%
Sensible Effectiveness (ASE) @ 65 cfm (31 L/s)	32°F (0°C)	77%
Sensible Efficiency (SRE) @ 48 cfm (23 L/s)	32°F (0°C)	70%
Sensible Efficiency (SRE) @ 65 cfm (31 L/s)	32°F (0°C)	68%
Sensible Efficiency (SRE) @ 70 cfm (33 L/s)	-13°F (-25°C)	60%

Sensible Efficiency: Thermal

Effectiveness:

Based on temperature differential between the 2 airstreams

Efficiency:

Takes into account all power inputs and leakage

WARRANTY Units carry a lifetime warranty on the HRV core and a 5 year replacement parts warranty.

Date: _____ Contractor: _____

Tag: _____ Qty: _____ Supplier: _____

Project: _____ Quote#: _____

Engineer: _____ Submitted By: _____

Control: _____ Timer: _____ Timer Qty: _____



All units conform to CSA and UL standards



511 McCormick Blvd.
London, ON, Canada
N5W 4C8
1-800-247-4200