

**Bringing Compact to a New Level,
The Lifebreath METRO 120F**



- 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"
- 50-130 CFM operational range
- 3 High speed selections
- Brackets included for easy install
- Aluminum HEX Core for superior energy transfer
- Fan 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

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.

Filters

Washable air filters in exhaust and supply airstreams.

Mounting the HRV

Mounting brackets supplied

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 | ✓ | ✓ | ✓ | ✓ |
| Adjustable Dehumidistat | ✓ | ✓ | ✓ | |
| Large digital LCD screen | ✓ | | | |
| LED status indicator lights | | ✓ | ✓ | ✓ |
| Continuous Ventilation | ✓ | ✓ | ✓ | ✓ |
| 20 ON/40 OFF | ✓ | | ✓ | ✓ |
| 10 ON/50 OFF | ✓ | | | |
| 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.

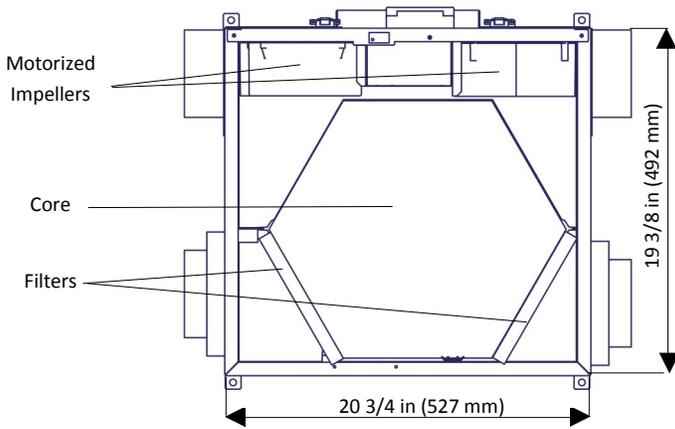
**** Exclusive to Lifebreath ****

99-RX02

Wireless Lifebreath Repeater

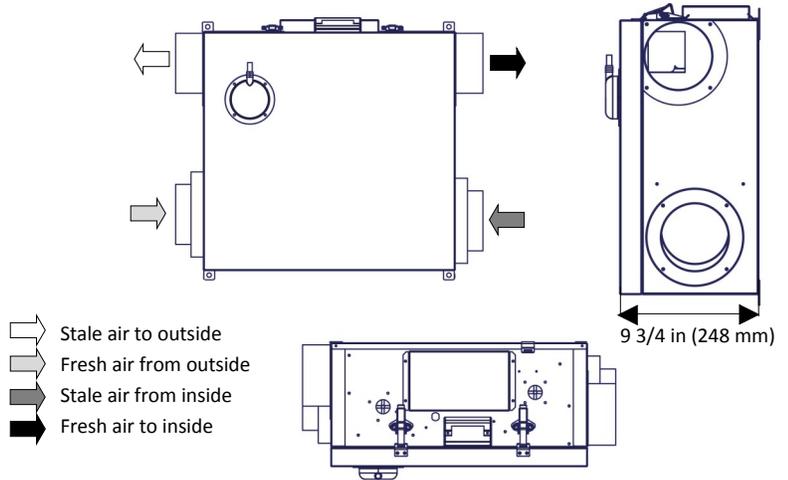
Extends range of 99-DET02 Wireless Timers. Plugs into 120V power outlet. Wirelessly connects to main control and 99-DET02. Install at halfway point between timer and main wall control if timer is out of range.

Dimensions



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

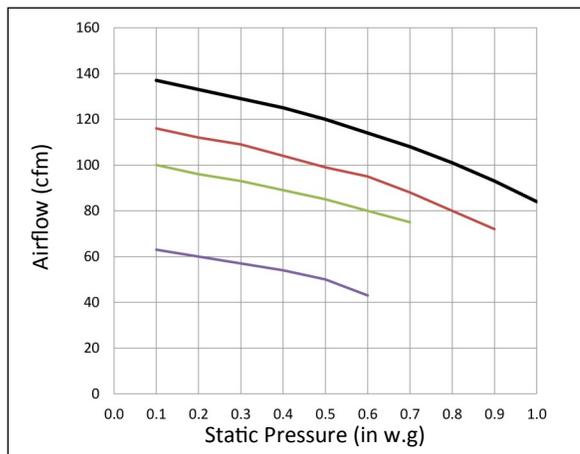
Weight: 34 lbs (15.5kg) **Shipping Weight:** 36 lbs (16kg)



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) |
| Net Supply Airflow | 139 (65) | 135 (64) | 130 (62) | 126 (60) | 122 (57) | 117 (55) | 112 (53) | 106 (50) | 100 (47) |
| Gross Supply Airflow | 139 (66) | 135 (64) | 131 (62) | 127 (60) | 122 (58) | 117 (55) | 112 (53) | 107 (50) | 101 (47) |
| Gross Exhaust Airflow | 138 (65) | 135 (64) | 132 (62) | 128 (60) | 124 (58) | 119 (56) | 115 (54) | 110 (52) | 105 (49) |

| Electrical Specifications: | |
|----------------------------|-----|
| VAC @ 60Hz | 120 |
| Watts / Low Speed | 60 |
| Watts / High Speed | 154 |
| Amp Rating | 1.4 |



| | | |
|--|------------|-----|
| Sensible Effectiveness (ASE) @ 48 cfm (23 L/s) | 32°F (0°C) | 80% |
| 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) | 68% |
| Sensible Efficiency (SRE) @ 65 cfm (31 L/s) | 32°F (0°C) | 68% |

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



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