

# A Fresh Design for Fresh Air

## Features

- Hi-efficient heat exchange, counter-flow design
- Over 10% more effective than conventional HRV\*
- Fresh air in your home year round
- Positive air flow, intake and exhaust is not restricted by condensation, freeze up or defrost cycle
- Removes excess moisture in your home
- Helps normalize house pressures
- Silent operation
- Uses no electricity
- Lifetime warranty

\*Based on tests done by National Research Council - Ottawa 2014

## Even more features...

- Works with any forced air furnace/air handler
- Extends the life of your furnace
- Maintenance free
- No extra filters required
- No fans to wear out or replace
- Easy to install
- Bathroom/kitchen/central vac exhaust air may all be routed through Hoyme HRV.
- No electrical wiring necessary
- No insulated ducts needed between the plenum and air exchanger

[www.hoyme.com](http://www.hoyme.com)

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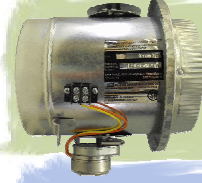
E-Mail: [hoyme@hoyme.com](mailto:hoyme@hoyme.com)

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Printed in Canada

**Save Money & Add Comfort!**

**with  
HMI Hoyme Dampers!**



**HAC - Fresh Air Damper**  
← Ideal for Hi & Mid Efficient Heating Systems, and HRV Systems

**HOM - Combustion Air Damper**

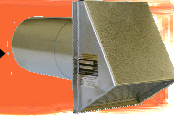
→ Ideal for Mid-Efficient Boilers and Furnaces



← **HAC-F - Flue Damper**  
Certified Flue Dampers for Oil or Gas Boilers and Furnaces

**MOH - Motorized Hood Damper**

→ Ideal for Fresh Air control to Fireplaces



← **ADP - Interface Relay Adaptors**  
Ideal for automatically controlling your various HVAC air system needs in your home.

**HAC - Zone Damper**

→ Ideal for Room/Zone Air control



Introducing a ...

**Fresh  
Design  
for  
Fresh Air**

Over 10%  
more effective than  
conventional HRV's\*



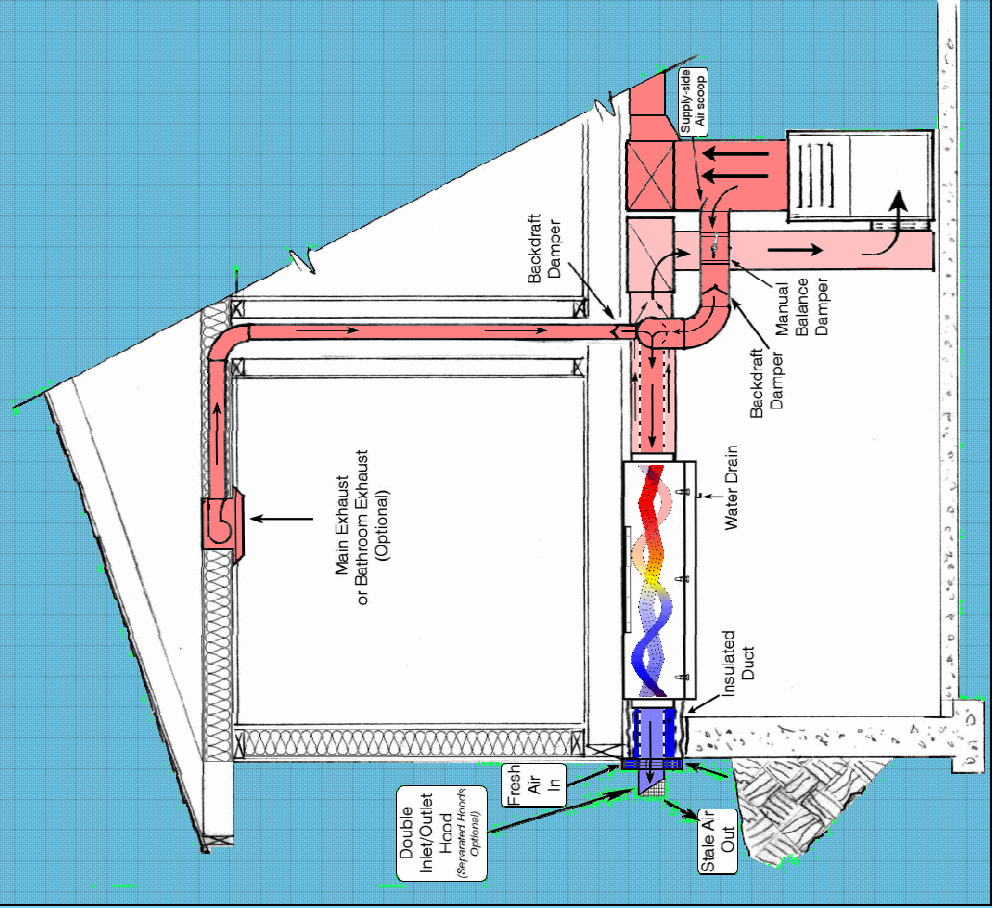
\*Based on tests done by National Research Council - Ottawa 2014

**HMI HOYME** HAE - Furnace Fan Generated HRV

# In with Fresh Air.....Out with the Bad.



Enjoy all the fresh air you need, while keeping all the warmth of the home.

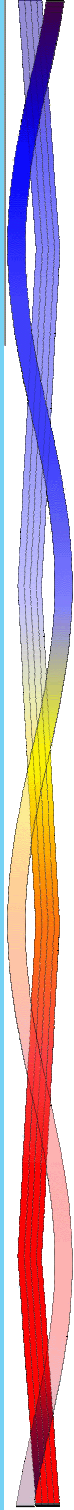


**Residential Models - 120 or 220cfm**

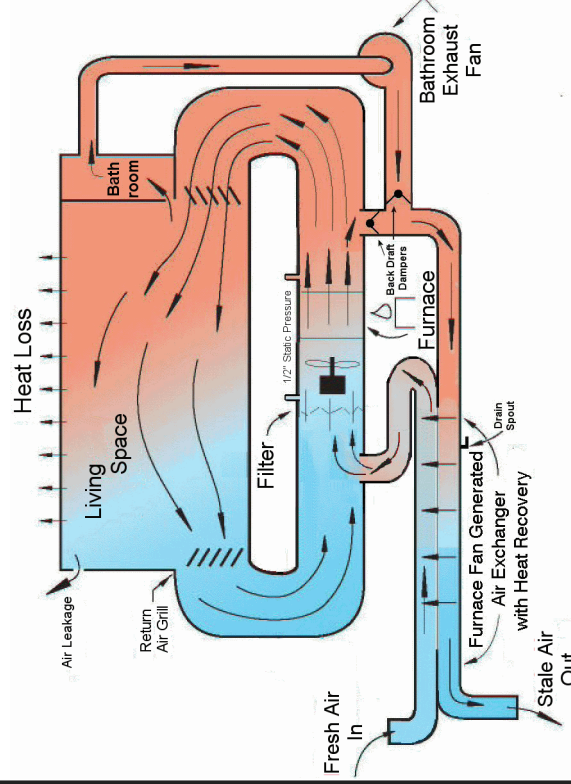
**Inline**  **Offset** 

**Commercial Model - 600cfm** 

May be installed in parallel to meet larger scale air exchange needs



## Mechanics of a Hoyme Furnace Fan Generated Counter-Flow Air Exchanger



- Normal Operation**
- Return plenum +14°C ← Outside temp -30°C
  - Supply plenum +22°C → Stale air leaving 0°C
- During Firing/Defrosting Cycle**
- Return plenum +34°C ← Outside temp -30°C
  - Supply plenum +60°C → Stale air leaving +6°C
- Results from typical installation*