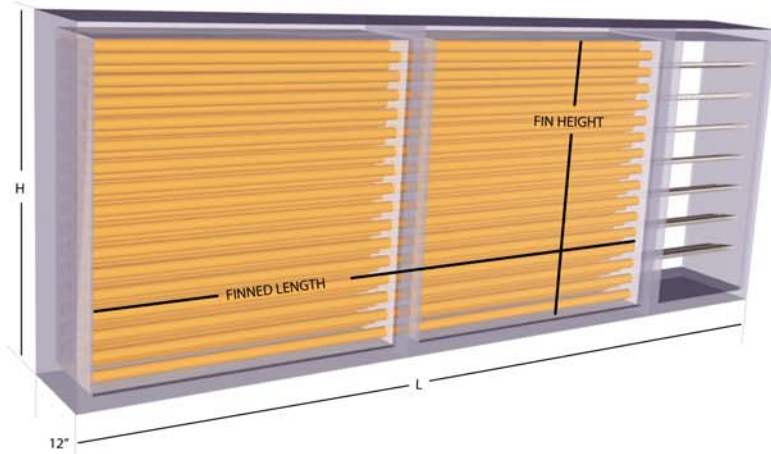
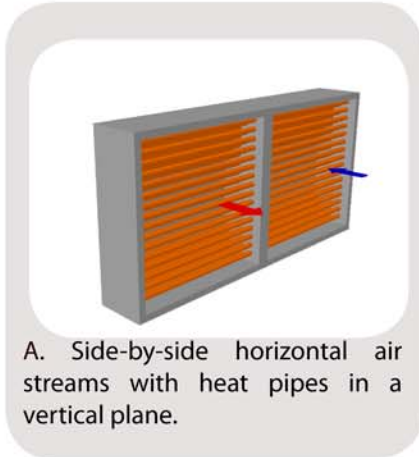


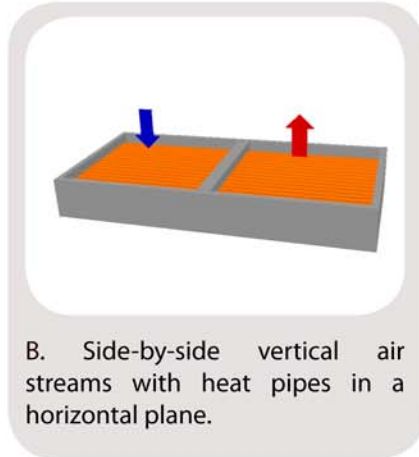
# The HRM™ Series by Heat Pipe Technology



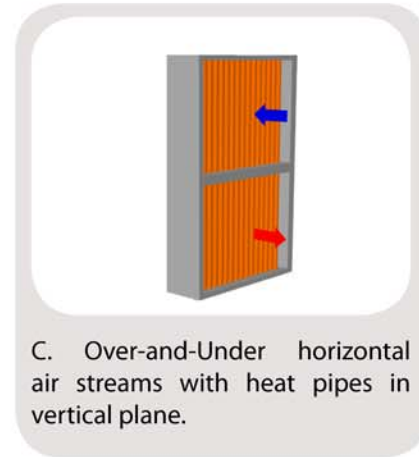
- ✓ 1,000 to 50,000 cfm systems
- ✓ Copper or Aluminum Fins
- ✓ 8 to 14 fpi spacing
- ✓ Standard and custom dimensions
- ✓ Corrosion protective coatings
- ✓ Galvanized or stainless Steel casings
- ✓ Drain pans
- ✓ Flange connections
- ✓ Dampers and Actuators
- ✓ HFC heat transfer fluid



A. Side-by-side horizontal air streams with heat pipes in a vertical plane.



B. Side-by-side vertical air streams with heat pipes in a horizontal plane.



C. Over-and-Under horizontal air streams with heat pipes in a vertical plane.

The HRM™ Series are cost efficient and provide zero cross contamination at these facilities.

## Hospitals



## Laboratories



## Universities



## Manufacturing



a subsidiary of MiTek®,  
a BERKSHIRE HATHAWAY Company  
ADVANCED ENERGY RECOVERY & DEHUMIDIFICATION  
4340 NE 49th Ave., Gainesville, FL 32609  
Tel: (352) 367-0999 Fax: (352) 367-1688  
Email: heatpipe@heatpipe.com  
www.heatpipe.com

## Contact Us Today!

Learn how our HRM™ Series can help qualify your next project to be  
**U.S.G.B.C. LEED Certified.**

### BENEFITS OF CERTIFICATION:

Recognition of quality buildings & environmental stewardship

- ✓ Third Party validation of achievement
- ✓ Qualification for state and local government incentives
- ✓ LEED Certification plaque for Building
- ✓ Official Certificate
- ✓ Marketing Exposure through USGBC web site, case studies & media coverage

LIT CODE: HRM V5-08/2011

# The HRM™ Series

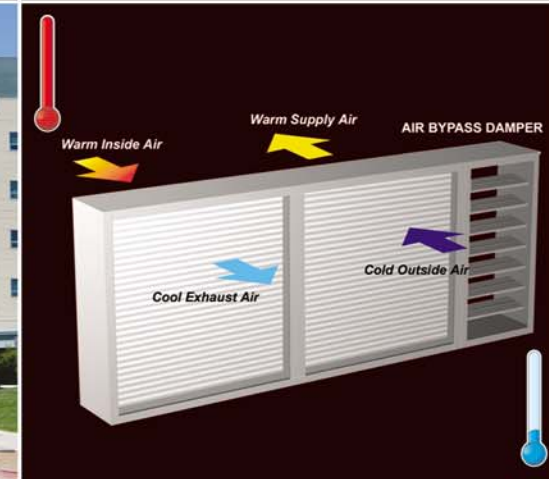
Utilizing Passive Heat Pipe Heat Exchangers



## The HRM™ Series



## PASSIVE ENERGY RECOVERY SYSTEM



The HRM™ Series of energy recovery heat pipes are passive, compact and highly efficient heat transfer devices. They are used to recover energy from exhaust air to pre-cool or pre-heat outside air in comfort or process applications.



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ADVANCED ENERGY RECOVERY & DEHUMIDIFICATION

# The HRM™ Series

## Utilizing Passive Heat Pipe Heat Exchangers

State of the art heat exchangers based on the 3-D Heat Loop™ by Heat Pipe Technology are opening doors to new applications with low air pressure drop, compact design, high effectiveness, and trouble-free static installation.

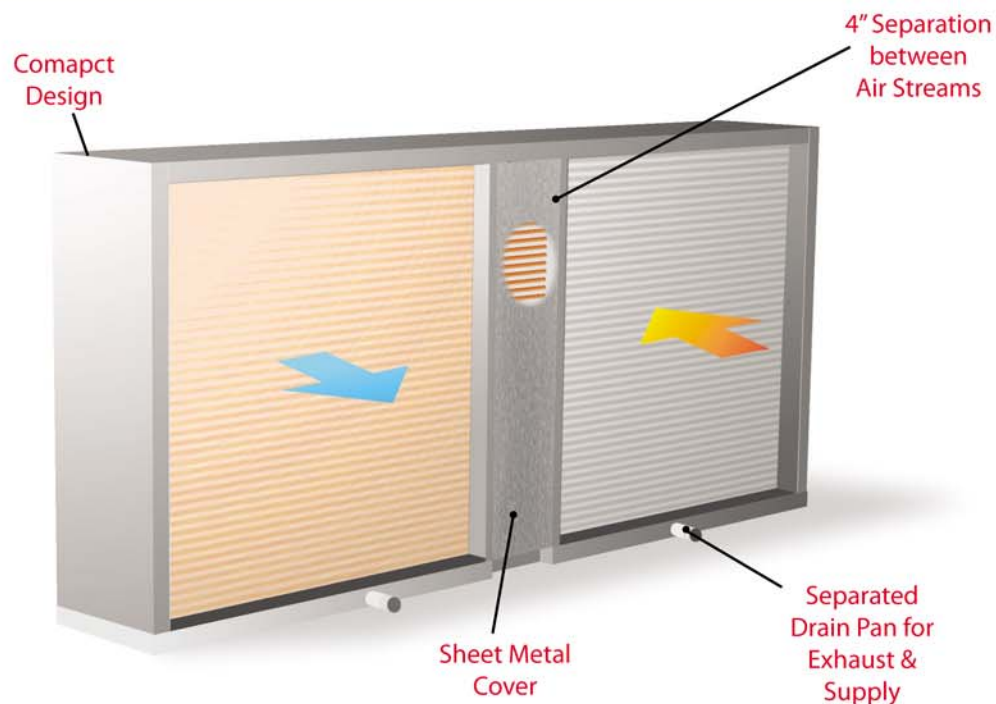
The 3-D Heat Loop™ is a breakthrough in multi-row heat pipe design, where the "pumping" of the working fluid is achieved not only by the differences of temperature between the two air streams, but also by the  $\Delta T$  between rows in the same air stream. The 3-D Heat Loop™ can transfer more mass of working fluid while using the same tubing diameter resulting in higher heat transfer capacities.

### The HRM™ Series can earn you LEED POINTS!

#### Building Design and Construction

- ✦ Optimize Energy Performance  
ER Credit 1
- ✦ Enanced Refrigerant Management  
ER Credit 4

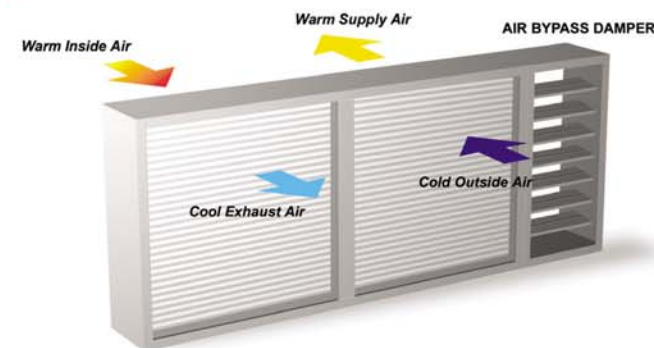
### The NO CROSS CONTAMINATION Solution...



- ✦ No moving parts...years of uninterrupted energy savings
- ✦ Made with High Quality Copper tubes for Reliability and Longevity
- ✦ Separate liquid and vapor lines for maximum heat transfer effectiveness
- ✦ No tilting or mechanical seasonal changeover necessary
- ✦ Solid Partition between air streams for zero cross contamination
- ✦ Most Compact Design

### Winter Heat Recovery Using Air Bypass for Defrost:

- ✓ Defrost mode in very cold climates
- ✓ Precise temperature delivery control
- ✓ Energy savings



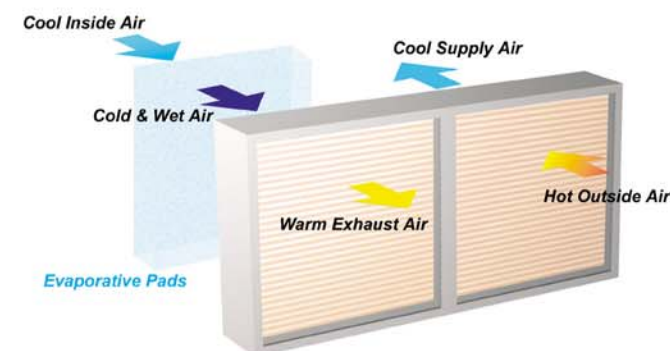
### For Moderate Seasons:

- ✓ Economizer mode...avoids unnecessary static energy loss
- ✓ Temperature control
- ✓ IAQ improvement



### Summer Cooling Recovery:

- ✓ Markedly enhanced performance with direct and indirect evaporative cooling
- ✓ Energy savings



### THE HRM™ SERIES vs. THE COMPETITION

