

# The HRM-V™ Split Passive Series

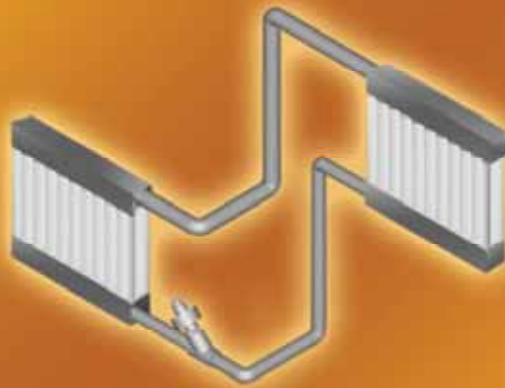
Utilizing Heat Pipe Heat Exchangers

RECEIVE YOUR LEED  
PLATINUM CERTIFICATION  
DESIGN WITH THE HRM™ SERIES



The HRM-V™ Split Passive Series

ENERGY RECOVERY SYSTEMS



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

 **Heat Pipe  
Technology, Inc.**  
ADVANCED DEHUMIDIFICATION & ENERGY RECOVERY

# The HRM-V™ Split Passive Series

*Utilizing Heat Pipe Heat Exchangers*

The **NO CROSS**  
**CONTAMINATION**  
Solution...

Heat Pipe Technology is proud to introduce a breakthrough in energy conservation, designed for those applications where two air streams are separated by up to 100 ft. Best of all, it is still passive heat recovery where the only moving parts are the working fluid inside the tubes and the air to be treated.

These systems are designed for both process applications up to 150° F and comfort control applications to pre-cool or pre-heat outside air from exhaust air.

Because of the phase change that characterizes heat pipe systems, 50% or more heat can be recovered from the warmer air stream.

This unique technology can recover heat for process applications in addition to summer only, winter only, or both in comfort applications.

Multiple circuits with proportional control valves or face and by-pass dampers allow for capacity modulation, economizer mode, and defrosting applications.

- ★ **Passive...No moving parts**
- ★ **Made with high quality copper tubes for reliability and longevity**
- ★ **Multiple circuits for redundancy**
- ★ **Optional control valves or face and bypass dampers for capacity, defrosting, and economizer control**
- ★ **Separate liquid and vapor lines for maximum heat transfer**
- ★ **Lowest air side pressure drop**
- ★ **Flexibility in dimensions and configurations to fit most applications**
- ★ **Factory start-up to insure compliance and trouble-free installation**
- ★ **Applicable to retrofit and new construction**

**The HRM-V™ Split Passive Series can earn you LEED points!**

Earn up to 37 out of a maximum of 69 LEED points by utilizing Heat Pipe Technology's HRM-V™ Split Passive Series.

Energy and Atmosphere...

**Max points 17**

Innovation and Design...

**Max points 5**

Indoor Environment Quality...

**Max points 15**

## WINTER ONLY RECOVERY:

When cooler outside air intake is above warmer exhaust air.

- ✓ Maximum 100 ft. horizontal separation
- ✓ Maximum 50 ft. vertical separation
- ✓ Comfort and process applications



## SUMMER ONLY RECOVERY:

When warmer outside air intake is below cooler exhaust air.

- ✓ Maximum 100 ft. horizontal separation
- ✓ Maximum 50 ft. vertical separation
- ✓ Indirect evaporative cooling for enhanced summer performance
- ✓ Comfort and process applications



## WINTER/SUMMER RECOVERY:

When supply and exhaust are the same level.

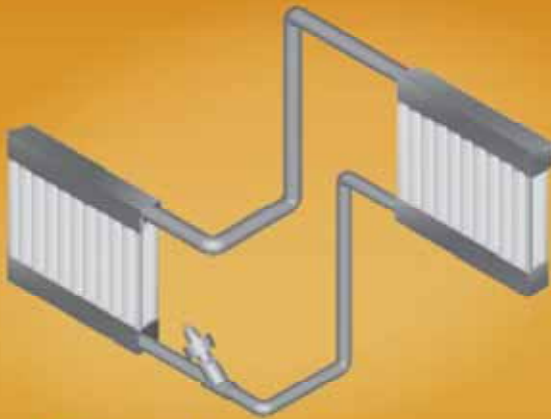
- ✓ Maximum 40 ft. horizontal separation
- ✓ Indirect evaporative cooling for enhanced summer performance
- ✓ Comfort and process applications



# The HRM-V™ Split Passive Series by Heat Pipe Technology



- ★ 1,000 to 50,000 cfm systems
- ★ Copper tubes and copper or aluminum fins
- ★ 8 to 14 fpi spacing
- ★ Standard and custom dimensions
- ★ Corrosion protective coatings
- ★ Galvanized or stainless steel casings
- ★ Comfort or process applications



**A.** Split level for process and summer or winter recovery



**B.** Side-by-side horizontal air streams with heat pipes in a vertical plane for all season comfort recovery

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

## Hospitals



## Laboratories



## Universities



## Manufacturing



**Heat Pipe  
Technology, Inc.**

ADVANCED DEHUMIDIFICATION & ENERGY RECOVERY

4340 NE 49th Ave., Gainesville, FL 32609

(352)367-0999 Fax: (352)367-1688

E-mail: [heatpipe@heatpipe.com](mailto:heatpipe@heatpipe.com)

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

## CONTACT US TODAY!

Learn how our HRM-V™ Passive Split 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