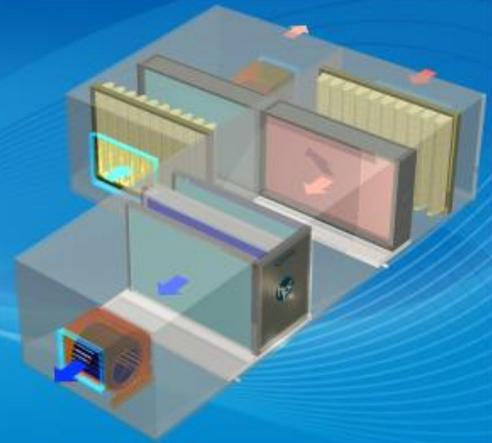




SOLUTIONS

*Tips for Enhancing
Heat Pipe Design*



November 2016 - In This Issue:

**New Article on Heat Pipes in
ASHRAE Journal!!!**

**HPT Recently Shipped Several
Split-Passive Energy Recovery
Heat Pipes to a Major University**

***New Webinar* The Wonderful
World of Heat Pipes and How They
Can Be Utilized to Meet Code**

***New Feature* To HPT's Online
Software**



Providing energy saving solutions to the world market

Our knowledgeable, worldwide rep network will work with you to implement our technology for both dehumidification and energy recovery applications.

Find a representative in your area.

"Wrap-Around Heat Pipes In Humid Climates" A New Article in ASHRAE Journal

The November issue of the ASHRAE Journal includes an article titled, "Wrap-Around Heat Pipes in Humid Climates", co-authored by our Regional Sales Manager, Drew Elsberry. It covers the various energy requirements within ASHRAE Standard 90.1 - which apply to nearly all state and local building codes - and focuses on the allowance of wrap-around heat pipes as an exception to mandatory air-to-air energy recovery. It discusses the scenarios in which such a design would make sense, and then dives deeper



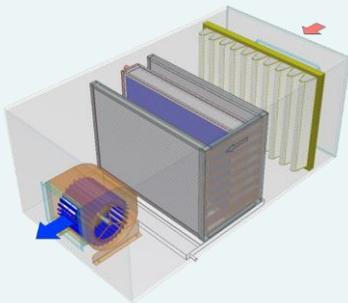
This newsletter is a service of HPT, Inc. It is meant to familiarize users with heat pipe technology, and how to select heat pipe systems using SelectPlus™ design software.



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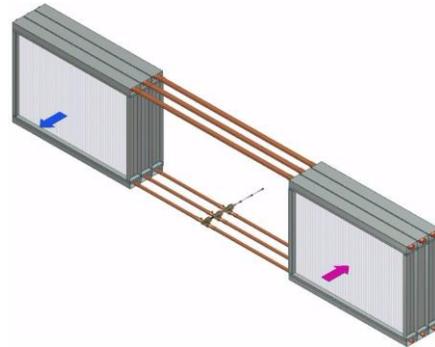


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into the use of controllable heat pipes to optimize energy savings. To learn more, click on the link below.

[Click to View Article](#)

HPT Recently Shipped Several Split-Passive Energy Recovery Heat Pipes to a Major University in Arizona

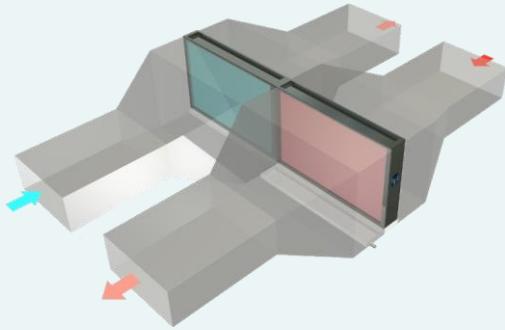


Heat Pipe Technology recently shipped several large split passive energy-recovery heat pipes (HRM-V) to a major university in Arizona. This project is part of a new \$100 million facility that will consist of research laboratories to better understand human health, aging, and disease. The facilities support interdisciplinary research in many health science disciplines.

The design team and owner desired to utilize heat recovery in this 100% OA system. Environ, a HPT representative, worked with a local consultant to design the HVAC system that included heat pipes. After full evaluation, heat pipes were chosen due to their effectiveness, low maintenance, and most importantly, because the supply and exhaust air streams will be separated by several feet in order to provide zero cross-contamination.

The heat pipes will be installed into two large custom AHU's totaling 93,000 CFM's. Each AHU will utilize two 8-row heat pipes to pre-treat 100% OA during heating and cooling conditions. The typical heat pipe unit size had a face height of 90" and a face length of 100". With the addition of the HRM-V's, the estimated cooling load reduction at design is 73 tons per unit, and the expected heating load reduction at design is 995 MBH per unit.

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****NEW WHITE PAPER****
EFFECTIVELY CONTROLLING
WRAP-AROUND HEAT PIPES



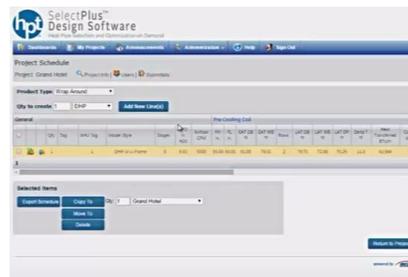
***New Webinar* The Wonderful World of Heat Pipes and How They Can Be Utilized to Meet the Florida Building Code**

Drew Elsberry, Regional Sales Manager for the east U.S., Canada, and Caribbean, recently hosted an in-depth webinar on heat pipes and how they can be used to meet the Florida Building Code. The topics covered in the webinar included:

- Code requirements and how they apply to ASHRAE Std. 90.1...and therefore other states.
- How heat pipes can be utilized to meet these code requirements.
- How wrap-around heat pipes compare to ERV's.
- How control valves offer more than just controllability

[Click to Watch Webinar](#)

***New Feature* SelectPlus™ Online Software**



This video covers a new feature that has been recently added to HPT's SelectPlus™ online selection software. The feature allows users to input two different exhaust temps when running a bin analysis in a single selection. Click on the link below for a video introduction to the new addition.

[View Video](#)

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