

WRAP-AROUND HEAT PIPE HEAT EXCHANGER

DEDICATED OUTDOOR AIR SYSTEM



ADDITIONAL BENEFITS FOR WAHX

- Passive dehumidification (Passive re-heating of supply air)
- Reduction in required cooling tonnage



Great customer service support from top down, from inside applications engineer to regional sales manager, and great product offerings.













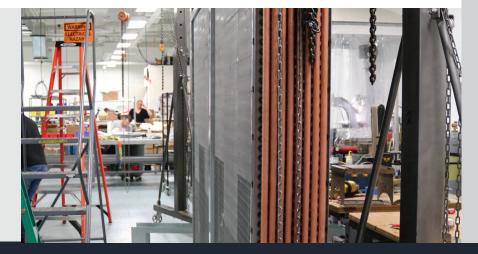
HEAT PIPE HEAT EXCHANGERS

NEW CONSTRUCTION | RETROFIT | FACTORY INSTALL



AIR-TO-AIR HEAT PIPE HEAT EXCHANGER

SPLIT AIRSTREAM SOLUTIONS HORIZONTAL OR VERTICAL INSTALLATION



TYPICAL PAYBACK 2YEARS

INNOVATIVE COMMERCIAL HVAC SOLUTIONS

IDEAL APPLICATIONS FOR HEAT PIPE HX

ASHRAE 90.1 installation recommendations

- Hospitals & Healthcare Facilities
- Government Facilities & Labs
- Theaters
- Fitness Centers / Natatoriums
- K-12 & Universities
- Resorts, Hotels & Condos
- Food & Restaurant Facilities











AIR-TO-AIR HEAT PIPE HEAT EXCHANGERS





COMPANY INTRO

Thinking beyond the

wheel to create innovative

HVAC systems that solve

the air quality issues of

today with practical

energy-saving HVAC

systems for tomorrow.

CUSTOM INNOVATIVE COMMERCIAL HVAC SOLUTIONS

TYPICAL INSTALLATIONS

- Between two airstreams for precooling or preheating
- Flexible installation configurations from adjacent airstreams to non-adjacent airstreams with vertical separation
- Where outside air enters and the building's air exhausts

TYPE		DUCT ORIENTATION & CONFIGURATION	OPERATION
	PIPE-TO-PIPE	Horizontal, adjacent airstreams	1 season passive2 season passive
		Vertical, adjacent airstreams	1 season passive1 season passive, 1 season pumped
SPLIT LOOP		Non-adjacent airstreams no vertical separation	 1 season passive 2 season passive 1 season passive, 1 season pumped* 2 season pumped*
		Non-adjacent airstreams with vertical separation	 1 season passive 1 season pumped 1 season passive, 1 season pumped 2 season pumped*

The same skilled engineering

engineers apply to specialized

heat pipes for space are used

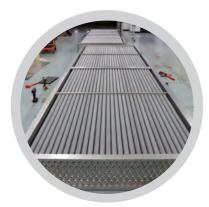
to craft energy recovery heat

pipes for ACT's HVAC line of

heat pipe heat exchangers.

techniques that ACT











CUSTOMIZABLE GEOMETRIES

WHAT IS ENERGY RECOVERY?

Reducing energy consumption and cost by using passive or low energy consuming methods to precondition air.

RESOURCES

HVAC HOME PAGE www.1-ACT.com/HVAC







CONTACT US

SELECTION

TOOL

www.1-ACT.com/HVAC 717-295-6061 solutions@1-act.com

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ACT'S ENERGY RECOVERY SOLUTIONS OFFER

- Installed inside of an air handler around the cooling coil of a DOAS or DX system

WAHX TYPE	ORIENTATION	OPERATING SEASON
Pipe to Pipe	Horizontal series airflow installation	Reheat not controllablePassive operation only
Split Loop Thermosyphon	Horizontal series airflow installation	PassiveFull reheat controlON/OFF or Analog 0-10VDC

ZERO CROSS-AIR CONTAMINATION









