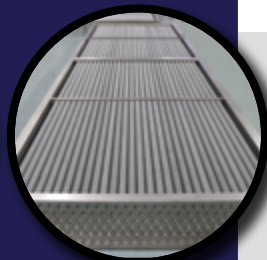




ENERGY RECOVERY SOLUTIONS



HEAT PIPE HEAT EXCHANGERS

NEW CONSTRUCTION | RETROFIT | FACTORY INSTALL

TYPICAL PAYBACK
2 YEARS

INNOVATIVE COMMERCIAL HVAC SOLUTIONS



AIR-TO-AIR HEAT PIPE HEAT EXCHANGER

SPLIT AIRSTREAM SOLUTIONS
HORIZONTAL OR VERTICAL INSTALLATION



IDEAL APPLICATIONS FOR HEAT PIPE HX

ASHRAE 90.1 installation recommendations

- Hospitals & Healthcare Facilities
- Government Facilities & Labs
- Industrial & Wastewater Plants
- Vivariums & Natatoriums
- K-12 & Universities
- Resorts, Hotels & Condos
- Large Industrial Paint & Welding Areas



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

-Norman S. Wright, Hawaii

AIR-TO-AIR HEAT PIPE HEAT EXCHANGERS

SPLIT AIRSTREAM SOLUTIONS

TYPICAL INSTALLATION



- 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	<ul style="list-style-type: none">• 1 season passive• 2 season passive
	Vertical, adjacent airstreams	<ul style="list-style-type: none">• 1 season passive• 1 season passive, 1
SPLIT LOOP	Separated airstreams, no vertical separation	<ul style="list-style-type: none">• 1 season passive• 2 season passive• 1 season passive, 1• 2 season pumped*
	Separated airstreams, with vertical separation	<ul style="list-style-type: none">• 1 season passive• 1 season pumped• 1 season passive, 1• 2 season pumped*

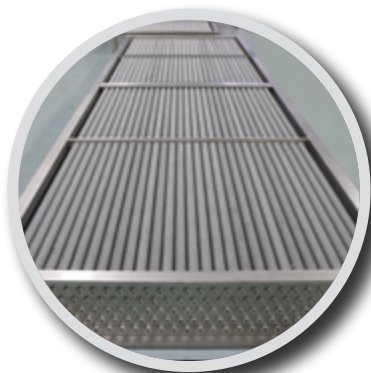
COMPANY INTRODUCTION

CUSTOM COMMERCIAL HVAC SOLUTIONS

We deliver breakthrough solutions by combining value-engineered products with innovative technologies, driven by a team passionate about solving our customers' most complex challenges.



**CLICK TO
VIEW THE
SELECTION
TOOL**



CTION
season pumped
season pumped*
season pumped

*Pump requirement dependent on horizontal and vertical separation and amount of energy transfer required.

EFFICIENCY MEETS ENVIRONMENTAL IMPACT

Smart thermal management translates direction into environmental gains.

UP TO

70%

**SENSIBLE HEAT
TRANSFER EFFECTIVENESS**

**REDUCE YOUR
CARBON EMISSIONS
WITH ACT'S HVAC ENERGY
RECOVERY SOLUTIONS**

WRAP-AROUND HEAT PIPE HEAT EXCHANGERS

DEDICATED OUTDOOR AIR SYSTEMS



TYPICAL INSTALLATION

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

WAHX TYPE	DUCT ORIENTATION & CONFIGURATION	
PIPE TO PIPE	Horizontal series airflow installation	• •
SPLIT LOOP	Horizontal series airflow installation	• •

ACT'S AIR-TO-AIR ENERGY RECOVERING
ZERO CROSSOVER-AIR COM

RESOURCES

CLICK TO VIEW
HVAC ENERGY
RECOVERY

CLICK TO
FIND A REP

CLICK TO
TALK TO
OUR EXPERTS

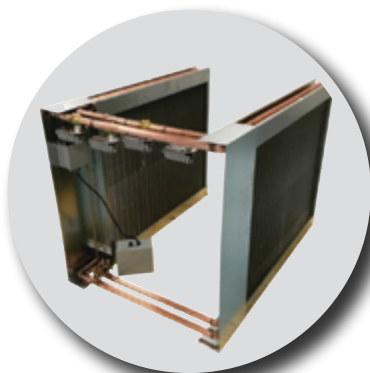
**CLICK TO
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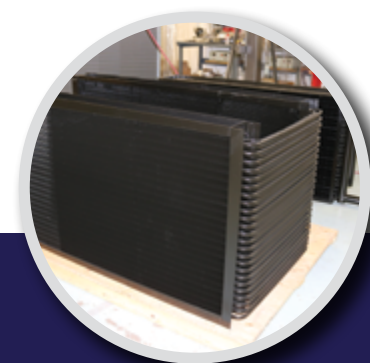
OPERATION

Reheat controllable
Passive operation only

Passive or pumped operation
Reheat controllable



**G SOLUTIONS OFFER
CONTAMINATION**



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ADVANCED COOLING TECHNOLOGIES

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ENERGY RECOVERY**



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