

# X-PACK

The energy-conserving, cost-efficient way to meet ASHRAE standards

## Heat Recovery Systems with Crossflow Heat Exchangers

Munters' counterflow heat exchanger provides more effective heat transfer, lower temperature stratification and less potential for icing on cold days. Crossflow exchangers are passive, low maintenance devices with totally enclosed, seamless supply air channels that minimize cross contamination.

While the advantages of counterflow configurations are real, there has been a demand in the product offering for a lower cost heat recovery solution. Crossflow heat exchangers in the 50-60% effective range satisfy this demand. Use of crossflow heat exchangers results in a more compact heat recovery packaged unit. Smaller size means less weight, which translates to lower cost.

If your budget does not warrant the higher effectiveness heat recovery — yet your building requires a system that meets ASHRAE Standards 60 and 90.1 — then the X-Pack may be the best unit for the application.



## PRODUCT INFORMATION

# X-PACK

### BENEFITS:

- Meets ASHRAE standards 60 and 90.1
- Reduce heating and cooling requirements
- Durability that stands up to the elements
- Easy Installation for reduced labor costs
- Low maintenance
- Ventilation for building occupants



## X-Pack Recovers Valuable Energy from Building Exhaust

Using Munters' passive heat recovery technology, X-Pack is designed for maximum performance and efficiency

- Plate heat exchanger provides efficient, low maintenance energy recycling
- Heat transfer is maximized by surface enhancements on each and every plate of the heat exchanger
- Standard sealant on crossflow exchanger provides a maximum leakage of 1%, with an option to upgrade sealant to reduce cross contamination to 0.1%
- ARI Standard 1060 certification guarantees that the crossflow heat exchangers are stringently tested for effectiveness, pressure drop and cross contamination
- Designed and manufactured by Munters' ISO 9001:2000 certified design, manufacturing and service teams
- ETL listed and labeled for ensured safety
- Capacities from 600 SCFM to 26,600 SCFM



### A multi-function system that pays for itself

X-Pack energy recovery technology extracts heat or cooling energy from the outgoing exhaust air and transfers that energy to the incoming fresh air. This means that the incoming fresh air is pre-heated in winter and pre-cooled in summer.

Some of the energy-saving benefits of the X-Pack include:

- Recovers up to 65% of heat in exhaust air
- Heat recovery equipment ROI typically less than three years
- Pre-conditions incoming outdoor air, to reduce heating and cooling systems requirements
- Economizer cooling option provides free cooling during favorable spring and fall conditions
- Outdoor air heat exchanger face and bypass damper frost prevention or recirculation damper defrost cycle option controls frost without impacting building pressure

