



# Building Performance Equipment, Inc.®

Sustainable, Reliable and Energy Efficient Ventilation Systems



## LOCATION

World Class Gymnastic Training Facility  
Devlin Gymnastics in the northeast USA  
saves energy and improves Indoor Air  
Quality.

## CHALLENGE

The front office areas and locker rooms of this facility had IAQ issues and lacked fresh air make-up. The general gym area had odors from the large volume of thick neoprene mats. Providing additional heating, ventilation and cooling (HVAC) would have been very expensive from a first cost basis (purchasing and installing HVAC equipment) and could easily have doubled the owning and operating costs (energy bills) of the HVAC systems of this large gymnastic facility every year for the life of the equipment.

## SOLUTION

Six different sized BPE X-Type heat exchangers (the white ceiling mounted energy recovery unit with two metal ducts attached) with hard wired inline high efficiency fans were installed. The BPE X-Type heat exchangers were efficient enough to condition the outdoor air to within 5°F of room temperature without any additional heating and cooling coils and greatly simplified the fresh air ventilation system. The entire system was installed and will pay for itself within three years at an installation cost of less than half of a traditional Heating and Cooling system. By recovering exhaust energy the direct counter flow heat exchangers are about to recover enough cooling and heating energy to work as stand alone units, unique from traditional HVAC equipment.



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