



Did You Know...

March 2021 Edition

Featured Unit: School Replacement ERUs

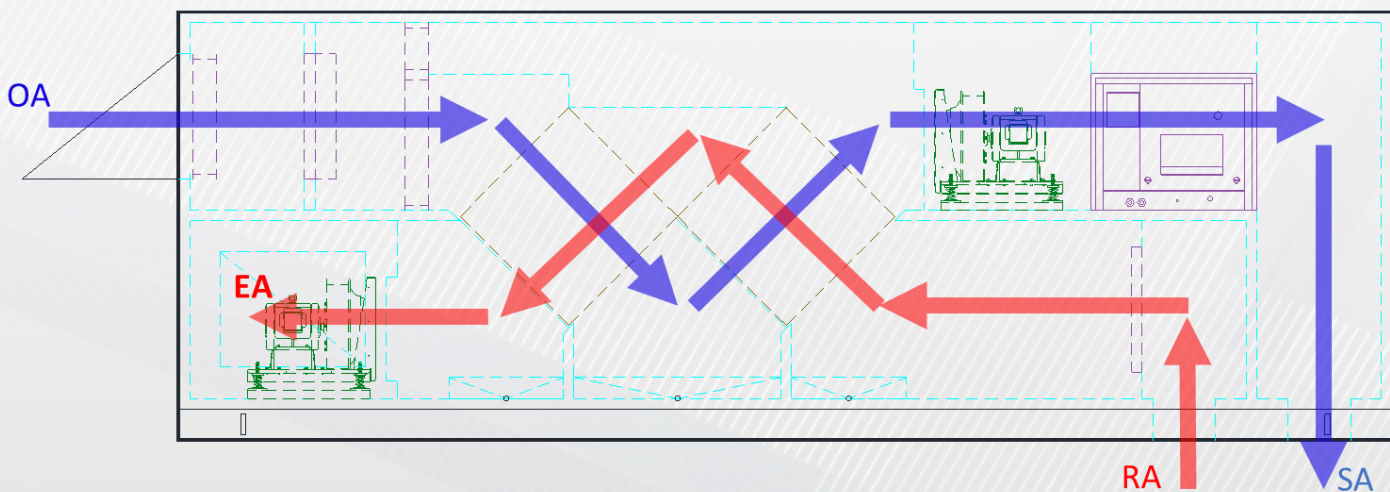
Contact us:
sales@xetexinc.com

Our featured project this month was a retrofit school project that had a tight window for replacement during winter break. This project was CARES Act ventilation upgrade with seven energy recovery units. The challenge was to design an efficient unit with an upgrade to the filtration system and increase heating capacity from original design. The client wanted to have the new ERUs fit on the existing curbs and duct work without the need for structural changes. With Xetex's customizable sizing and configuration capabilities, it was a no-brainer that Xetex would be a great fit for the job! These direct replacement ERUs main feature was dual pass heat exchanger which allowed for a) higher than normal sensible *energy recovery effectiveness* (70+) and b) a unique duct configuration to accommodate existing locations.

Unit highlights:

- All units are 18 gauge painted acrylic exterior & 22 galvanized interior
- 2" mineral wool insulation (R-value 4.0/in)
- 2" MERV 8 pre filter & 4" MERV 13 final filter
 - Each filter bank had a pressure switch included
- Double Pass aluminum flat plate heat exchanger
 - Double pass exchangers for higher efficiencies (73%)
 - Vertical face & bypass modulating dampers for frost control and full economizer capabilities
- 409SS Indirect fired burner
 - 5:1 turndown control
 - 65 degree temperature rise
- Supply and return airflow monitored by a piezo ring AFMS
- Control devices provided and mounted by Xetex. Control signal provided by Others in field

Model: XHR 30-42XD-RT-BP-HI-FF	
Height:	87"
Width:	53"
Length:	234"
Weight:	5600 lbs
Supply CFM:	3950
Heat Type:	Ind. Fired Burner
Heat Capacity:	250 MBH
HX Efficiency	73.2% (Sensible)



If you need assistance on any application you are currently working on please contact Xetex Sales at 612-724-3101 or email us at sales@xetexinc.com.