AIRXCHANGE

PERFORMANCE SEGMENT PROFILES FOR ANY APPLICATION

ENERGY TRANSFER SEGMENTS OFFER **MULTIPLE PERFORMANCE OPTIONS** TO CHOOSE FROM.

RECOVERING BUILDING ENERGY

As the need for energy recovery ventilation expands, customers are asking for more choices in thermal effectiveness, air flow, and desiccants to satisfy project requirements. At Airxchange, we are meeting these needs with multiple segment configurations to address all of their design priorities. Our unique design approach even allows users to reconfigure wheels in just minutes without having to replace an entire wheel should the building design change in the future.

AIRXCHANGE ENERGY TRANSFER SEGMENT OPTIONS

EFX SEGMENTS create the highest enthalpy recovery effectiveness of any wheel for its depth. Airxchange EFX Segments can achieve up to 85% total effectiveness, higher in many cases than competitive wheels that are 5-10 inches thicker. To achieve our industry leading enthalpy performance the air pressure drop will be similar to thicker aluminum wheels.

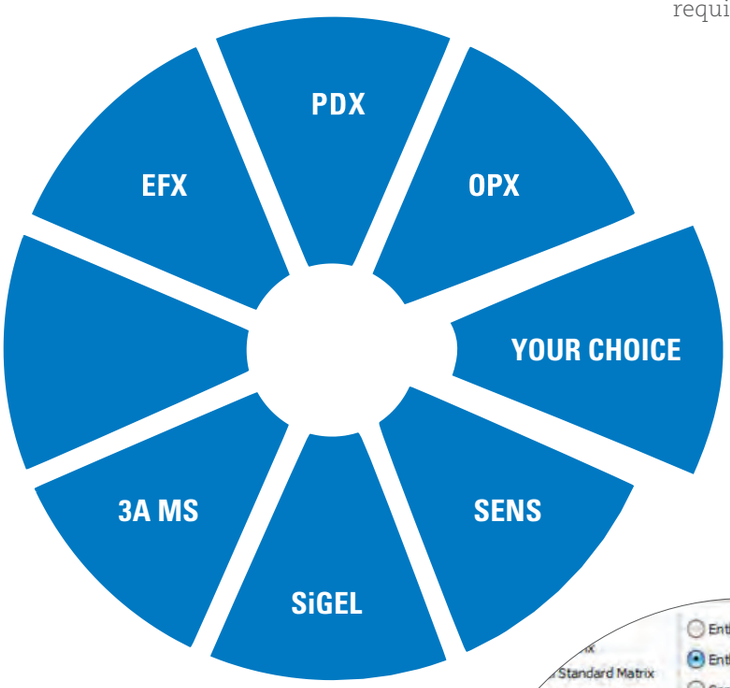
PDX SEGMENTS achieve the highest flow volume at the lowest possible air pressure drop. In some climates it is more desirable to utilize a lower air pressure drop design at lower total enthalpy effectiveness in order to achieve higher overall system efficiency. Selecting PDX segments allows system designs to achieve the highest possible Energy Recovery Ratio (ERR).

OPX SEGMENTS address the need for higher enthalpy recovery while still maintaining lower air pressure drop. For most climates, OPX segments allow designers to achieve over 70% effectiveness while still getting higher flow rates at air pressure drops of less than 1.25 in.wg.

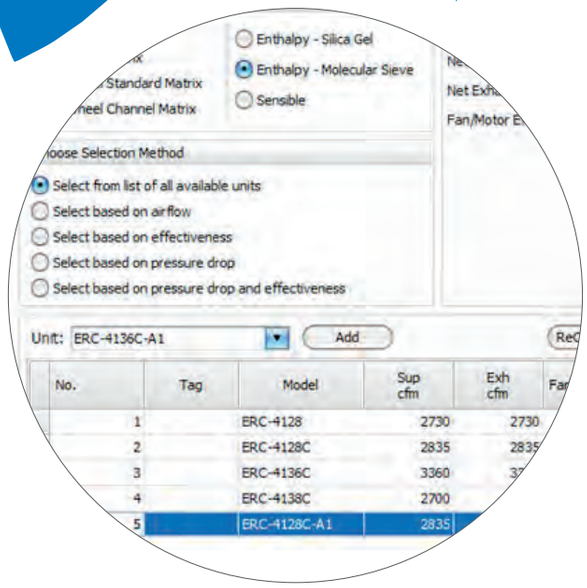
DESICCANT OPTIONS

Airxchange offers both silica gel and 3A molecular sieve desiccants. Silica gel provides the best all-around performance of water vapor capacity in relation to density and is therefore more effective.

Airxchange permanently bonds either desiccant using a unique manufacturing process so that segments can be cleaned and maintained to provide a lifetime of factory level performance. Airxchange also provides uncoated, sensible-only segments that are ideal for climates requiring very low latent loads.



AIRXWEB Selection Software simplifies the selection process for all of our wheel profiles, allowing the user to spend more time designing energy efficient systems.



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