CORE Energy Recovery Solutions’ Exchanger

Bruno Poitras knows the importance of fresh air. As part of the Systemair team, which has long worked with CORE Energy Recovery Solutions, he’s an expert in the inner workings and efficiencies of crossflow exchangers. CORE’s crossflow exchangers, with their patented polymer membranes, allow both sensible and latent energy recovery. They are water washable, have no moving parts, and are low maintenance and easy to access, making them an ideal solution for projects like multi-unit residential buildings as well as schools, health care facilities, and other commercial applications. We talked with Poitras to find out more about how this technology works.

Ask the Expert

Why use energy recovery technology?

Bruno Poitras, North American RAHU Product Manager, Fantech, a Systemair Company

Bruno Poitras

Inside every CORE Energy Recovery Solutions exchanger is CORE’s patented polymer membrane, which transfers both heat and humidity from one airstream to another driven by thermal differences and the partial pressure difference of water vapor between streams. The membrane separates the air streams and has a thin dense polymer barrier layer that allows the water vapor to absorb and permeate through while blocking the transfer of gases, VOCs, and other contaminant compounds.

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