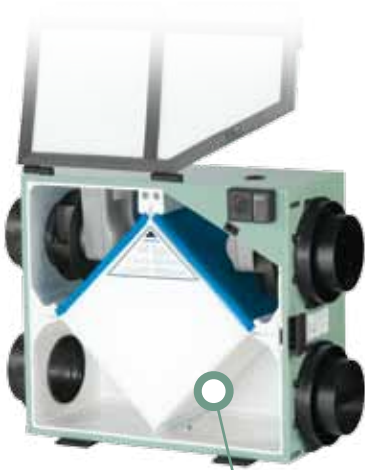




# Introducing Energy Recovery Ventilator A Revolution in ERV Technology

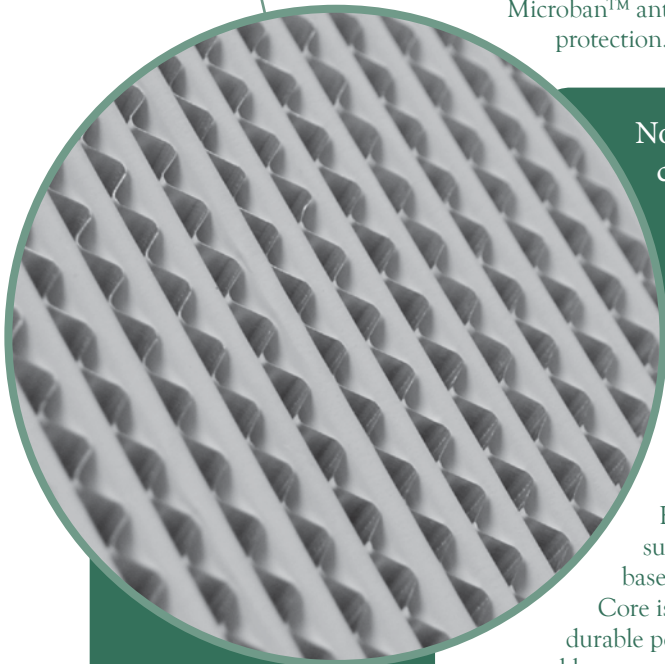
Imperial Manufacturing Group manufactures high performance Energy Recovery Ventilators (ERV) for the Heating, Ventilation and Air Conditioning (HVAC) industry featuring the dPoint ERV core constructed of advanced polymer membrane that provides significant health benefits and energy savings for buildings and their occupants.



## Healthier Indoor Air Quality

With half of all illnesses attributable to indoor airborne contaminants, the EPA has declared indoor air quality a public health priority. The Imperial line of ERV's featuring the dPoint ERV core improves indoor air quality for residential and commercial buildings through the use of its unique and robust polymer membrane featuring Microban™ antimicrobial product protection.

- One of the only cores that incorporates antimicrobial protection in the manufacturing process.
- Advanced polymer material resists mold, fungus and bacteria growth.
- Proprietary membrane blocks odors and contaminants from crossing over into the fresh air stream while not inhibiting energy transfer.
- Water washable membrane allows the ERV to be cleaned thoroughly
- Tear and leak proof
- Endure harsh temperatures: effective in warm and cold climates
- System function and air cross-over doesn't degrade with time
- UL flame and smoke certified



No transfer of gases, contaminants, or odors through the membrane



Inhibits odor causing bacteria and mold on the membrane.

## What's Inside Matters

Advanced Heat and Humidity Exchanger superior to existing paper based cores, dPoint's ERV Core is manufactured from a durable polymer membrane that enables energy recovery systems to increase their total efficiency, operate in extreme climates and ensure the cleanest air possible.

## How does the dPoint Polymer membrane work?

The dPoint membrane is constructed from a composite of polymer materials that allows heat and water vapour to transfer from one air stream to another while preventing the cross-over of gases and contaminants such as Volatile Organic Compounds (VOC's), carbon dioxide, stale air, methane and odours. In addition, the membrane contains Microban antimicrobial protection, which inhibits (or helps prevent) the growth of mold and odor causing bacteria on the membrane.

The presence of Microban technology in the membrane is not intended to affect airborne microorganisms but can help reduce the growth of odor causing microbes on the membrane itself where it's needed the most.

## How dPoint's Polymer ERV Cores Compare to other cores

	dPoint	Paper	Aluminum HRV	Plastic HRV
Latent Recovery	•	•		
Low Air Leak	•	•	•	•
Mold & Bacteria Resistant	•		•	•
Flame Resistant	•	•	•	
Water Washable	•		•	•
Freezable	•		•	•
Competitive Cost	•	•		•

