



PX G1300™ for CO₂ Refrigeration

Future-Proof Your Refrigeration Operations at Lower Cost

PX G1300

BENEFITS

- Lowers energy consumption
- Reduces operating costs
- Designed for easy operation and maintenance
- New or existing CO₂ system integration
- Increases system efficiency and lowers energy consumption

THE PX G1300 ENABLES COST-EFFECTIVE, GREEN CO₂ REFRIGERATION SYSTEMS

Good for the environment and the electric bill, Energy Recovery's PX G1300 (PX G) can ensure a financially attractive next generation CO₂ refrigeration system helping supermarkets meet the future of refrigeration head on.

Regulations to reduce the use of climate-damaging refrigerants are driving a shift to sustainable natural refrigerants, with carbon dioxide (CO₂) as the leading choice. CO₂ is a safer alternative to more dangerous natural refrigerants like ammonia (toxic) and propane (flammable). Historically CO₂ systems were more expensive to operate than traditional refrigeration options. Energy Recovery's new PX G1300 energy recovery device is designed to solve this challenge.

THE PX G MAKES THE TRANSITION TO CO₂ REFRIGERATION AN EASY CHOICE

The PX G can reduce the energy consumption and operating costs of CO₂ systems — a huge benefit as many retailers work to green their operations and comply with regulation phasing out hydrofluorocarbons HFCs.

Compared to a CO₂ system with no energy recovery device, a system designed around the PX G can reduce energy consumption, saving energy costs and reducing emissions.

HOW DOES THE PX G WORK IN A CO₂ REFRIGERATION SYSTEM?

The PX G1300 is a novel application of Energy Recovery's revolutionary pressure exchanger that has generated significant efficiencies and cost-savings in the water desalination industry for more than 25 years. The PX G recovers lost energy and lowers the electricity bill of CO₂ systems. This improves the bottom line for supermarkets and reduces their carbon footprint. By recycling otherwise wasted pressure energy and returning it to the system, the PX G reduces energy consumption and operating costs of CO₂ refrigeration. The PX G works by expanding the refrigerant similar to a valve, but recovers the energy of expansion and provides compression. This reduces the load on the compressors and the energy consumption of the system.



READY TO LOWER YOUR COSTS AND EMISSIONS WITH THE PX G?

Email Refrigeration@energyrecovery.com or visit energyrecovery.com/refrigeration



Energy Recovery

Proven Pressure Exchanger Technology

12.5M

Metric tons of carbon emissions avoided/year*

26TWh

Saved in Electricity Consumption*

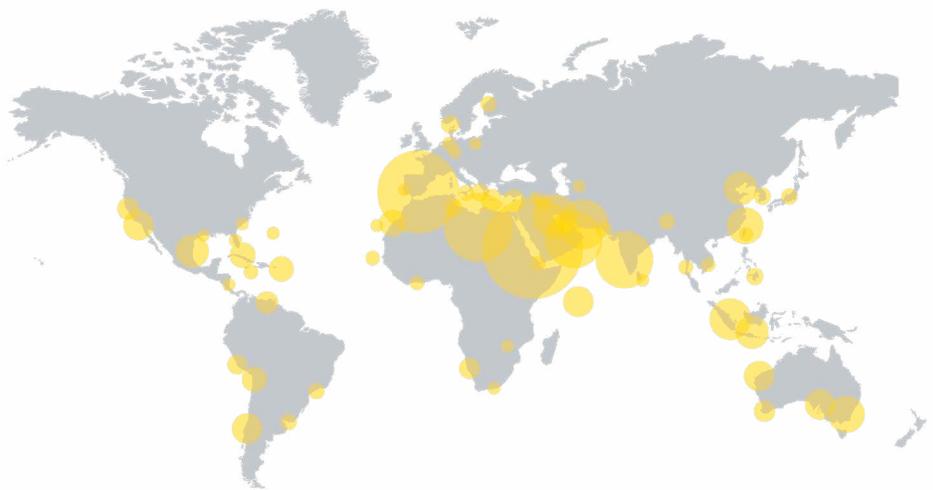
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Saved for customers on energy expenses/year*

Energy Recovery (NASDAQ: ERII) creates technologies that solve complex challenges for industrial fluid-flow markets worldwide. Building on our pressure exchanger technology platform, we design and manufacture solutions that make industrial processes more efficient and sustainable. What began as a game-changing invention for desalination has grown into a global business accelerating the environmental sustainability of customers' operations in multiple industries. Headquartered in the San Francisco Bay Area, Energy Recovery has manufacturing, research and development facilities across California and Texas with sales and on-site technical support available globally. For more information, please visit www.energyrecovery.com.

OUR CORE TECHNOLOGY

Our pressure exchanger (PX) technology is at the heart of many of our products. It is designed to make industrial processes more efficient and environmentally sustainable, lowering costs, saving energy, reducing waste, and minimizing emissions. The initial product application of our technology was the PX[®] Pressure Exchanger[®]. Delivering efficiencies up to 98%, the PX Pressure Exchanger revolutionized seawater reverse osmosis desalination and is today's industry standard in energy recovery.



*Energy Recovery estimates

EnergyRecovery.com

NASDAQ: ERII