Armstrong Unveils Expanded Range of DE Pumps with Permanent Magnet Motors

Deliver 35-65% Recution In Energy Consumption

Toronto, DATE – Armstrong Fluid Technology has introduced an expanded range of Design Envelope Permanent Magnet pumps that are engineered to deliver 35-65% reduction in energy consumption compared to conventional integrated pumps with induction motors.

Available in mid-February with motors up to 60hp, these Design Envelope Permanent Magnet operate at NEMA Ultra-Premium efficiency levels that exceed the targets set by the US Department of Energy and the NRCan Office of Energy Efficiency.

Design Envelope Permanent Magnet pumps feature smaller overall dimensions and are easier to install because permanent magnet motor technology delivers a substantial reduction in both size and weight. The more compact design dramatically lowers embodied carbon, which improves sustainability.

Design Envelope technology also provides highly accurate flow metering (+/- 5%). This means contractors can avoid the cost of purchasing and installing flow meters for HVAC systems.

"Design innovations including permanent magnet motor technology, improved hydraulics and intelligent, connected variable speed control make these new Design Envelope pumps more energy-efficient and more cost-effective." said David Lee, Offering Manager, Armstrong Fluid Technology.

Armstrong's patented Parallel Sensorless Control stages multiple pumps and regulates output for best efficiency across the entire pump array, saving up to 30% in operating costs.

For sustained performance and efficiency, Design Envelope Permanent Magnet pumps are available with Pump Manager, a cloud-based performance tracking service. Pump Manager provides industry-leading analytics and insights along with alerts, alarms and data storage to help owners make Active Performance Management a key part of their daily operating practices.

For additional information, visit www.armstrongfluidtechnology.com

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About Armstrong Fluid Technology

With eight manufacturing facilities on four continents, and employees around the world, Armstrong Fluid Technology is known as an innovator in the design, engineering and manufacturing of intelligent fluid flow equipment, control solutions and digital technologies.

In the shift toward digitalization and integration of fluid-flow systems, Armstrong leads the industry, bringing edge computing to mechanical systems, approaching energy optimization as a whole-building challenge and advancing the practice of full lifecycle management of mechanical systems. Focusing on HVAC, Plumbing, Gas Transmission and Fire safety applications, we provide energy-efficient and cost-effective solutions to building and facility professionals around the world.

Armstrong Fluid Technology is committed to sustainability. In 2019, Armstrong signed the Net Zero Carbon Buildings Commitment, a program launched by the World Green Building Council. As a signatory to the program, Armstrong has pledged to ensure that all its offices and manufacturing facilities operate at net-zero carbon by the year 2030.

In May 2021, in recognition of our leadership in energy efficiency, carbon footprint reduction and environmental stewardship, Armstrong Fluid Technology received a Queens Enterprise Award for Sustainability. Recognized for 20 years as one of the 50 Best Managed Companies, Armstrong continues to hold Platinum status in the program.

In 2018, the company announced an initiative to reduce greenhouse gas (GHG) emissions among its global customer base by 2 million tons, targeting completion by the year 2022. After reaching that goal earlier than expected, Armstrong has set a new goal of helping customers reduce greenhouse gas (GHG) emissions by 5 million tons, targeting completion by the end of 2025.