

Armstrong Announces the Next Evolution in Building Performance Management

Technological Advancements Provide New Levels of Energy Savings

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Toronto, January 30, 2017 – Armstrong Fluid Technology has announced the next level of innovation in pumping solutions for enhanced lifetime building performance across its entire Design Envelope pump range from 1hp to 1250hp.

Providing extended intelligence, wireless connectivity, new integrated Armstrong controls, Parallel Sensorless Pump Control and on-board web services, these technological advancements can help building managers realize energy savings of 30% or more.

“Design Envelope technology now looks beyond energy savings to provide a comprehensive view of HVAC performance management,” said Lex van der Weerd, Armstrong CEO. “These advancements deliver accelerated value for our customers through unmatched efficiency, the simplest and fastest commissioning and optimized lifetime performance through real-time insight and action.”

The features that allow the new line of Design Envelope pumps to provide these impressive results include:

- **Extended Intelligence** – a new, integrated Armstrong controller provides a wide range of new functionality including on-board diagnostics, trending, alerts and automatic flow-balancing.
- **Real-time Connectivity** – connectivity options include BACnet, BACnet IP, and Modbus. All pumps are delivered with both wireless and wired connectivity. On-board web services provide wireless access for commissioning and performance management.
- **Advanced Controls** – this set of capabilities transforms Design Envelope pumps from intelligent to self-aware, with pump control features such as auto-flow balancing to further simplify commissioning, a new touchpad with easy-to-use guided processes and intuitive HMI, as well as access to real-time performance and pump conditions.

- New Armstrong iECM™ motors – permanent magnet motors with integrated drives and controls deliver IE4 levels of energy efficiency (on select models).

"Access to real-time data and trending, delivered by Design Envelope technology, supports a change from simply contributing to building performance to a role in which we are also managing and extending building performance. This new version of Design Envelope will benefit all of our industry partners and we're very excited to make these solutions available." van der Weerd concluded.

About Armstrong Fluid Technology

With over 1000 employees worldwide, operating seven manufacturing facilities on three continents, Armstrong Fluid Technology is known around the world as a forerunner and innovator in the design, engineering and manufacturing of intelligent fluid flow equipment. With its expertise in fluid dynamics, heat transfer, variable speed, and demand-based control, Armstrong Fluid Technology leads the fluid systems industry, including HVAC, plumbing, and fire safety in providing the most energy efficient and cost effective solutions to building professionals and owners around the globe.