



For Immediate Release

Pentair Launches Aurora Intellistar™ Vertical Inline Pump

Variable Frequency Drive Controls Help Reduce Expense and Prolong Life

NORTH AURORA, IL, (AHR Expo 2017) - - - Pentair Flow & Filtration Solutions introduces the Aurora Intellistar™ 382 vertical inline pump with variable frequency drive controls (Intellistar). The pump, presented at the AHR Expo (Booth C4539) by Pentair product manager, Jeffrey Buescher, will provide continuous control and smoothly adjust motor speed to directly control pressure and flow in chilled and hot water hydronic applications.

“Previously, HVAC pumps controlled by VFDs, would require being independently mounted and wired on site, and then the VFD and system would need to be balanced by outside technician(s) who had to account for construction variables and safety factors,” said Buescher. “The Intellistar is fully assembled, wired and tested for out-of-the-box ease of installation, providing reliable service and meeting all specification requirements.”

Buescher added that, once installed, the Intellistar monitors system characteristics and makes adjustments by smoothly adjusting motor speed (often at lower speeds) in response to actual demand. By modulating the power delivered to the motor, the Intellistar’s VFD provides continuous control, modifying motor speed to directly control pressure and flow, while extending equipment life, reducing maintenance costs and saving up to 61 percent in energy expense.

The Aurora Intellistar™ 382 vertical inline pump with variable frequency drive controls can also have a positive impact on reducing capital expenses. Since the drive controls flow, it eliminates the need for external control valve. In addition, the use of the variable frequency drive eliminates the need for bypass lines to protect the pump from constantly running at a minimum flow requirement.

Pentair’s new Aurora Intellistar™ 382 vertical inline pump with variable frequency drive controls is available as close coupled or split coupled with bronze fitted construction. Optional features include impeller wear rings, and a high-temperature mechanical seal.

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ABOUT PENTAIR PLC

Pentair plc (www.pentair.com) delivers industry-leading products, services and solutions for its customers' diverse needs in water and other fluids, thermal management and equipment protection. With 2015 revenues of \$6.4 billion, Pentair employs approximately 30,000 people worldwide.

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