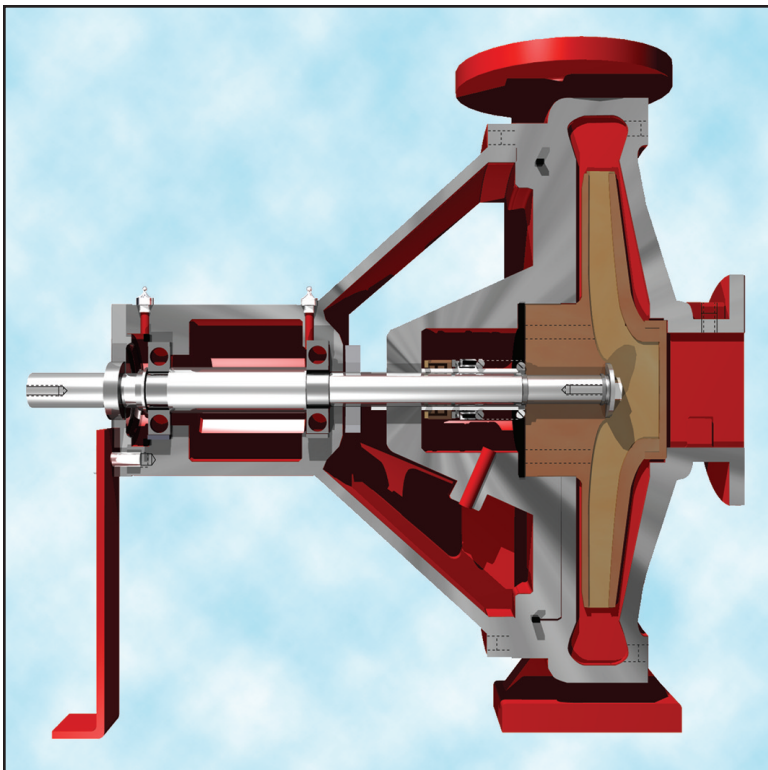


PRODUCT SPOTLIGHT OF THE MONTH

Patterson's Efficient Design Ensures Reliability of the Frame-Mounted End Suction HVAC Pump



Cutaway of Patterson's frame-mounted end suction pump reveals superior standard features of the pump.



David Britland (center), RISD library building engineer, with Mike Flannery (left) and Dan West (right) of the Blake Group, Patterson representatives.

Patterson Pump Company's ProMax® Frame-Mounted End Suction HVAC Pumps offer a high-efficiency design that minimizes energy consumption, and their back pullout configuration provides easy access and simplifies maintenance. Their precision cast, dynamically balanced impeller minimizes vibration and maximizes bearing life. They feature annular-pressure-reducing clearance with impeller balance holes to reduce axial thrust.

Durable flex coupling absorbs vibration, and precision bearings and machining limit shaft deflection. The bearing housing mounts directly to the pump volute to save space and provide proper alignment.

The motor base is designed to allow repairing the pump without removing the motor. The ASTM A-36 one-piece base requires no grout. There are external flush seal lines. Case wear rings and a hinged, OSHA approved coupling guard are standard.

The Frame-Mounted End Suction Pumps are offered with flows to 2,500 GPM, and heads to 400 ft. TDH. Options include 250-lb discharge flanges, a stainless steel shaft and stainless steel shaft sleeve.

Great Students of Design Recognize Great Design

Reliable fluid flow is the lifeblood of any indoor climate system, especially for rare special collections and archives. A major renovation to relocate the 128-year-old Rhode Island School of Design Library into the grand hall and expansive second floor

of a historic bank building required a separate boiler room with chillers to maintain critical climate control requirements.

Four Patterson frame-mounted end suction and two vertical in-line pumps were chosen for their high-efficiency design, which minimizes energy consumption and lengthens service life. They are engineered to last and offer grease-lubricated bearings and a fitted bronze shaft sleeve and sealant that protects the shaft.

The new 55,000 sq. ft. library facility offers an accessible collection of 100,000 volumes; a secure, climate-controlled space for Special Collections and Archives; a separate study room for Artists' Book Collection; an Archive of Graphic Design and Illustration; expanded analog and digital collections; expanded exhibit cases; and overflow basement storage.

Both end suction and vertical in-line pumps have performed problem-free, according to David Britland, building engineer, and are easy to maintain. ■

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