End Suction HVAC Pumps

Frame-Mounted Configuration

Patterson EnviroFlo™ end suction HVAC pumps offer a high-efficiency design that minimizes energy consumption, and their back pullout configuration provides easy access and simplifies maintenance.

BENEFITS

- Gauge taps at the suction and discharge connections for complete monitoring flexibility
- Annular pressure reducing clearance with impeller balance holes to reduce axial thrust
- Precision-cast, dynamically balanced impeller minimizes vibration and maximizes bearing life
- Precision bearings and machining limit shaft deflection to only 0.002" at the seal face
- Bearing housing mounts directly to the pump volute to save space and provide proper alignment

FEATURES

- Flows to 2,500 GPM, heads to 400' TDH
- OSHA coupling guard accessible from both sides
- Variable speed rated coupling
- Heavy structural steel channel base aids in pump alignment
- Standard case wear ring and grease-lubricated bearings
- Mechanical seal is standard in carbon vs. silicon carbide (optional: tungsten carbide) external seal flush line
- Every pump hydrostatically pressure-tested
- Optional 250-lb discharge flanges and seal flush lines available on many models
- Bronze fitted construction with bronze shaft sleeves standard; optional stainless steel shaft and stainless steel sleeve available

ENVIROFLO
HYDRONIC PUMPING SOLUTIONS

Pumping Technology for Tomorrow's World
Patterson®

SPECIFICATIONS: FRAME-MOUNTED

Pumps shall be high efficiency end suction design; base mounted with OSHA approved coupling guard. The pumps shall be of the back pullout design, single stage, and capable of being serviced without disturbing piping connections.

The flex coupling shall be rated for non-overloading conditions.

The pump volute case shall be class 30 cast iron and shall have a volute mount rear support foot. The pumps shall have case wear rings and grease lubricated bearings.

Pumps shall be designed for a maximum shaft deflection of 0.002" at the seal face.

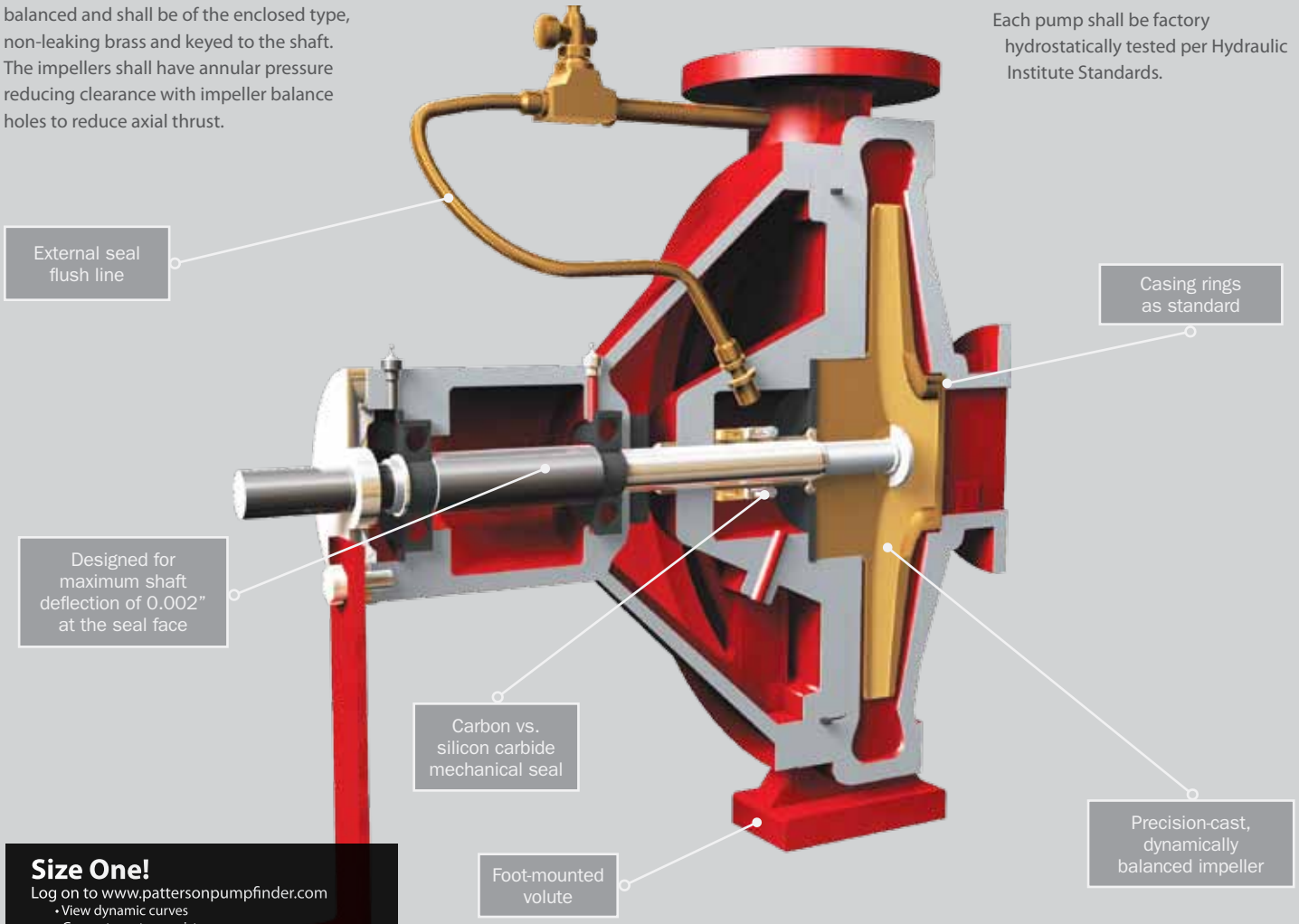
Impellers shall be precision-cast and dynamically balanced and shall be of the enclosed type, non-leaking brass and keyed to the shaft. The impellers shall have annular pressure reducing clearance with impeller balance holes to reduce axial thrust.

The pumps shall have a replaceable bronze or stainless steel shaft sleeve and shall cover the liquid area under the seal. The pump shall have a mechanical seal type carbon vs. silicon carbide with seal water flush line (optional: tungsten carbide).

The pumps shall be rated for a minimum of 175 psi working pressure. Casing shall have tapped holes on the suction and discharge to accommodate gauges, fittings, and drain ports.

Motors shall be EPAC/Nema rated and shall be of the size, voltage, and enclosure (ODP/TEFC) as outlined in the plans and specifications. The motor shall be non-overloading throughout the entirety of the pump performance curve (optional: premium efficiency).

Each pump shall be factory hydrostatically tested per Hydraulic Institute Standards.



Size One!
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Registration required; free 21-day trial.

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