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 Manufacturers Representative





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Pumps Discount List

For unlisted items, call us at 361-882-2233

Last updated 1/27/2017

| Brand | Name | Description | Disc off List |
|-----------|---|---|---------------|
| Patterson | EnviroFlo Horizontal Split Case  | <p>High Efficiency Design</p> <ul style="list-style-type: none"> Minimizes energy consumption for a more Green sustainable HVAC system EnviroFlo HSC pump bodies are formed from Class 30 cast iron with a carbon steel shaft Designed to deliver energy efficient flows to 6,000 gpm with heads to 160ft tdh, these pumps offer standard working pressure at 175 psi <p>Construction</p> <ul style="list-style-type: none"> To reduce the cantilever effect on the pump shaft and cut deflection at the seal faces, Patterson engineers shortened the distance between inboard and outboard bearings Standard regreasable ball bearings set in integrally cast bearing housings Bronze fitted construction with replaceable bronze shaft sleeves Pumps delivered with silicon carbide mechanical seals Gauge taps at the suction and discharge connections <p>What's in it for you? Long seal and case ring service intervals Serviceability-Flip the lid on the pump and have a clear view of the entire rotating element Precision-cast, dynamically balanced bronze impeller minimizes vibration, maximizes bearing life</p> <p>Options</p> <ul style="list-style-type: none"> Working pressure at 250 psi is available on select models Stainless steel shaft and sleeve Tungsten carbide seals | 20% |
| Patterson | EnviroFlo End Suction  | <p>High Efficiency Design</p> <ul style="list-style-type: none"> Each pump is engineered Green through and through, delivering high-efficiency performance that minimizes operating and energy costs Designed to deliver energy efficient flows to 2,500 gpm with heads to 400ft tdh, these pumps offer standard working pressure at 175 psi <p>Construction</p> <ul style="list-style-type: none"> Annular pressure reducing clearance and impeller balance holes reduce axial thrust Case wear ring and grease-lubricated bearings Gauge taps at the suction and discharge connections <p>What's in it for you? Bearing housing mounts directly to pump volute to save space and provide proper alignment. Simplify maintenance without disturbing piping connections or removing the motor. Precision-cast, dynamically balanced bronze impeller minimizes vibration, maximizes bearing life. Back pullout configuration, including a sliding motor base, provides easy access to internal parts.</p> <p>Options</p> <ul style="list-style-type: none"> Working pressure at 250 psi is available on select models | 20% |
| Patterson | Vertical In-Line  Split-Coupled VIL  Double-Suction VIL | <p>High Efficiency Design</p> <ul style="list-style-type: none"> Reliable & full flexibility to overcome constraints and serve all types of HVAC applications Designed with annular-pressure-reducing clearance & impeller balance holes reducing axial thrust Designed to deliver energy efficient flows to 10,000 gpm with heads to 400ft tdh, standard working pressure at 175 psi <p>Construction</p> <ul style="list-style-type: none"> Bronze fitted construction with bronze shaft sleeves Back pullout configuration; Greasable motor bearings Split-coupling design is available in 5hp or larger Double suction impeller is available on largest sizes (12 in. and 14 in.) <p>What's in it for you? The back pullout configuration simplifies access and maintenance. The high-efficiency design minimizes energy consumption and lengthens service life, offering a quality, sustainable solution to HVAC fluid flow. Gauge taps at the suction and discharge connections allow for easy operational status monitoring. Every pump is hydrostatically pressure-tested before shipment.</p> <p>Options</p> <ul style="list-style-type: none"> Working pressure at 250 psi is available on select models 250-lb discharge flanges and seal flush lines are available on many models Stainless steel shaft and stainless steel sleeve | 20% |

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| Patterson | Vertical In-Line w/Integrated Drive  | <p>High Efficiency Design</p> <ul style="list-style-type: none"> Patterson's Vertical In-Line HVAC Pumps are available with energy-saving VFD power and also with Patterson's CloudStat® Real-Time, Web-Based HVAC Pump Monitoring <p>What's in it for you?</p> <p>VFDs reduce pumping costs by 50%. Schneider Electric™ Altivar 212 VFDs, mounted directly to Patterson's VIL HVAC pumps, eliminate the need for pressure reducing or throttling valves or inlet guide vanes.</p> <p>Patterson's CloudStat® Real-Time, Web-Based HVAC Pump Monitoring</p> <ul style="list-style-type: none"> CloudStat is based on one-way cellular technology, installable without IT involvement, and there are no security risks. Browser-based, real-time view of HVAC pumping status A CloudStat system can monitor up to four pumps without the need for an external PLC CloudStat interfaces easily with most local supervisory level protocols, including LonWorks® and BACNet®, and local control is provided using the integral keypad Alarms are communicated instantly by email or SMS text to customer-defined contacts The CloudStat system comprises a control enclosure, modem and quarterly subscription fees for software and data services <p>Options</p> <ul style="list-style-type: none"> VFDs can also be retrofitted to existing Patterson VIL constant speed pumps | 20% |
| Patterson | Accessories  | <p>Suction Diffuser</p> <ul style="list-style-type: none"> Simplify system design by combining the functions of the suction entrance pipe, long radius elbow, Y-strainer and startup strainer; Rated to 175 psi, 250°F Inlet flange designed to allow a butterfly valve to fully open into the body Body designed to use bolts-no threaded studs required Corrugated stainless steel permanent strainer allows for maximum surface area <p>Multi-Purpose TSV Valve</p> <ul style="list-style-type: none"> Combination valve replaces the features of a check valve, balancing valve and a shutoff valve Working pressure is 175 psig @ 250°F Rubber O ring seal offers bubble tight sealing on both check and shutoff features of the TSV valve Brass metering schraders on the flanges allows for the balancing feature to be used by setting the memory stop and flow indicator ring on the top of the plug Compact design offers installation convenience combined with lighter handling weight when installed in all mechanical rooms <p>Shell & Tube Heat Exchanger "U" Bend</p> <ul style="list-style-type: none"> Steam to Water or Water to Water (2 or 4 Pass); 4" to 26" Diameter, 2' to 10" length Operating Pressures (Tubeside) - 150 psig 4"-12" dia. w/cast iron head; 125 psig 10"-12" dia. w/2 pass 4" NPT cast iron head; 125 psig 14"-20" dia. w/fabricated steel head; 150 psig 20"-26" dia. w/fabricated steel head Operating Temperature (Tubeside) - 375°F maximum 4"-26" cast iron or fabricated heads Operating Pressure (Shellside) - 150 psig carbon steel construction (All sizes) Operating Temperature (Shellside) - 375°F maximum carbon steel construction (All sizes) <p>Double Wall Tube Heat Exchanger</p> <ul style="list-style-type: none"> Consists of regular "U" Tube heads and shells; Sizes 4"-16" dia, lengths 24"-120" Conversion to double wall unit requires a tube bundle with double wall tubing and tube sheets Optional 304 or 316 stainless steel tube sheets, .040" 90/10 Cupro-Nickel inner and outer tubes <p>Flexible Connectors</p> <p>Standard neoprene or nylon construction (other materials available) Rated to 214 psi at temperatures up to 240°F Solid plate steel flanges provide a fluid tight connection</p> | 10% |
| Patterson | Parts | OEM parts for your pumps. Call for individual parts pricing. | 10% |