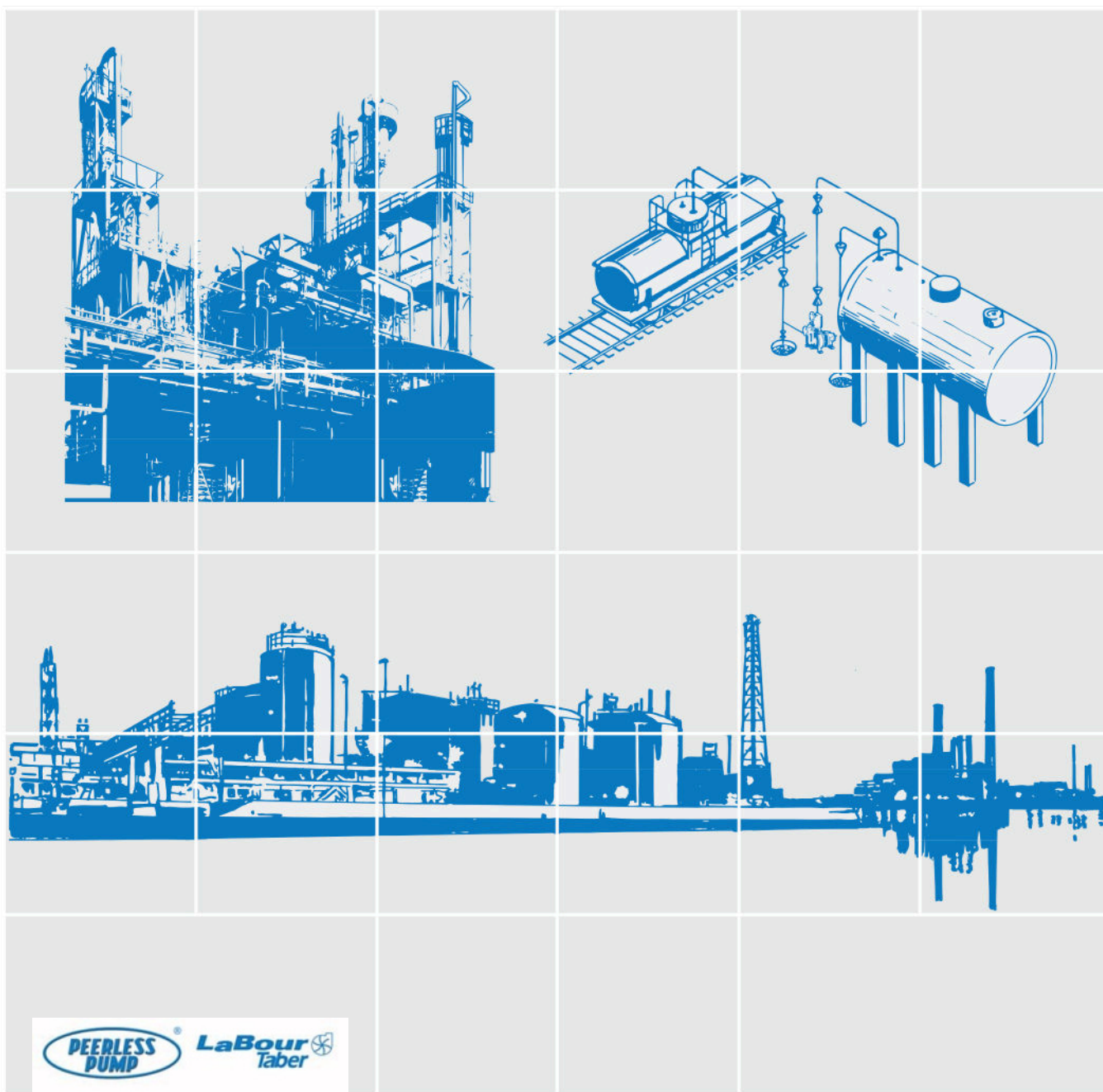




flumex

LaBour Pumps FULL PRODUCT LINE



Peerless Pump Company

Brochure LB-004

LaBour Pumps

Since 1921, LaBour Pumps has provided a wide range of the highest quality pumps primarily for the chemical processing industry. LaBour Pumps is widely known for its quick deliveries of special materials of construction and its nationwide Representative network.

LaBour's wide range of designs and configurations include:

Horizontal
Vertical
Self-Priming
ANSI
Magnetic Drive
Custom Designs

Markets Served:

Chemical Processing
Petroleum
Pulp and Paper
Pharmaceutical
Utilities
Primary Metals
Breweries
Textile
Pollution Control
Energy
Food and Beverage

LaBour's materials of construction include:

Cast Iron
Ductile Iron
304/304L Stainless Steel
316/316L Stainless Steel
317/317L Stainless Steel
Alloy 48 (CD4MCu)
Elcomet K (Alloy 20)
R-55 (LaBour proprietary)
Y-17 (Hastelloy C)
Y-30 (Hastelloy B)
Monel
Nickel
Zirconium
Titanium
Kynar® (PVDF)
Teflon® (PFA)
Tefzel® (ETFE)

Typical applications for LaBour pumps include:

Product and Chemical Transfers
Tank Car Unloading
Volatile Liquid Handling
Mines and Pits
Viscous Fluids
Water and Waste Treatment
Molten Sulfur and Salts

LaBour Time Line

1921 Harry E. LaBour establishes LaBour Company in Michigan City, Indiana.

1937 LaBour expands to England as LaBour Pump Company, Ltd.

1946 LaBour builds a nickel alloy foundry in White Pigeon, Michigan.

1964 LaBour Pump Company acquires Taber Pump Company of Buffalo, New York and Taber remains in New York, until 1967 when they merged into the Elkhart, Indiana plant.

1976 A new 50,000 square foot production facility is opened in Selma, Alabama with Computer Numerical Control (CNC) equipment.

1993 U.S. and British LaBour facilities are purchased by the Indianapolis, Indiana based Peerless Pump Company.

The U.S. operation is renamed LaBour Pumps and is made a division of Peerless Pump Company.

British operations are turned over to SPPLtd., a sister company of Peerless Pump Company, and renamed SPPLaBour.

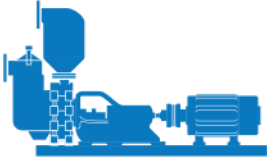
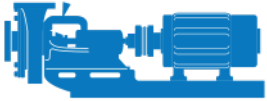
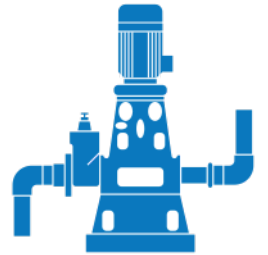
1994 LaBour Pumps headquarters is moved to Indianapolis, Indiana with production continuing in the Selma plant.

SPPLaBour's sales office is moved to Northampton, England.

TODAY LaBour Pumps is still offering its customers the most durable centrifugal pumps with the quickest deliveries and the highest quality.

				
	Process, Chemical and Hazardous Liquid Pumps LVA	Process, Chemical and Hazardous Liquid Pumps TFA	Self-Priming Back Pull-Out Centrifugal Pumps LPLA/LHLA	Sealless MPL/MHL Series
Type	Standard ANSI configuration, back pullout, heavy duty, industrial process pumps. Packed and sealed types. Model LVA.	Standard ANSI configuration, back pullout, triple volute, heavy duty industrial process pumps. Balances radial loads. Circular casing design. Model TFA.	Self-priming, back pullout pumps based on the Hydrobalance Principle. ANSI series bearing frame, circular casing design. Suction lift up to 25 feet (8 meters). Models LPLA, LHLA.	Self-priming, sealless magnetic drive pumps with non-metallic materials. Based on the Hydrobalance Principle. ANSI series bearing frame, back pullout, circular casing design. Suction lift up to 10 feet (3 meters). Models MPL, MHL.
Capacities	Up to 4,000 gpm (909 m ³ /hr)	Up to 1,100 gpm (250 m ³ /hr)	Up to 700 gpm (159 m ³ /hr)	Up to 400 gpm (91 m ³ /hr)
Head	Up to 650 feet (198 meters)	Up to 575 feet (175 meters)	Up to 300 feet (91 meters)	Up to 300 feet (91 meters)
Pressure	Up to 350 psig (25 kg/cm ² g, 2,414 kPag)	Up to 350 psig (25 kg/cm ² g, 2,414 kPag)	Up to 150 psig (11 kg/cm ² g, 1,034 kPag)	Up to 150 psig (11 kg/cm ² g, 1,034 kPag)
Horsepower	Up to 275 hp (205 kW)	Up to 125 hp (93 kW)	Up to 125 hp (93 kW)	Up to 50 hp (37 kW)
Drives	Electric motors, steam turbines and others available.	Electric motors.	Electric motors, steam turbines, PTO and belt drives.	Electric motors.
Liquids Pumped	Chemicals, fertilizers and process.	Chemicals, fertilizers, entrained air and all process.	Chemicals, condensate systems, entrained air and process.	Chemicals, pulp and paper, entrained air and all process.
Temperature	From -50°F to 500°F (-46°C to 260°C)	From -50°F to 500°F (-46°C to 260°C)	Up to 400°F (205°C)	From 32°F to 300°F (0°C to 149°C)
Materials of Construction	Ductile iron, 316 SS, A48, 317 SS, R55, Nickel, Elcomet K, Hastelloy(s), Titanium, Zirconium, plus most machinable alloys.	316 SS, A48, 317 SS, R55, Nickel, Elcomet K, Hastelloy(s), Titanium, Zirconium, plus most machinable alloys.	Cast or ductile iron, 316 SS, A48, 317 SS, R55, Nickel, Elcomet K, Hastelloy(s), Titanium, Zirconium, plus most machinable alloys.	Cast or ductile iron, 316 SS, A48, 317 SS, Nickel, R55, Elcomet K, Hastelloy(s), plus most machinable alloys. Magnets are rare earth, PFA coated.
For Additional Information Request	Brochure LB-005	Brochure LB-011	Brochure LB-007	Brochure LB-108

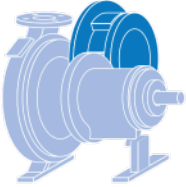
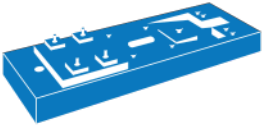
	 Process, Chemical and Hazardous Liquid Pumps Taber 1000	 Process, Chemical and Hazardous Liquid Pumps Taber 2000	 Process, Chemical and Hazardous Liquid Pumps Taber 8000	 Process, Chemical and Hazardous Liquid Pumps Taber 9000
Type	Single stage vertical sump pumps with lengths up to 30 feet (9 meters). Heavy duty design with many sealing options. Model 1000.	Two stage vertical sump pumps for high TDH. Heavy duty design with many sealing options. Model 2000.	Single stage vertical sump pumps, triple volute casing, and circular casing designs. Heavy duty design with many sealing options. Model 8000.	Single stage vertical sump pumps, multi-volute casing, cantilever design. Heavy duty design with many sealing options. Model 9000.
Capacities	Up to 2,350 gpm (534 m ³ /hr)	Up to 400 gpm (91 m ³ /hr)	Up to 4,000 gpm (909 m ³ /hr)	Up to 4,000 gpm (909 m ³ /hr)
Head	Up to 480 feet (146 meters)	Up to 300 feet (91 meters)	Up to 600 feet (183 meters)	Up to 600 feet (183 meters)
Pressure	Up to 250 psig (18 kg/cm ² g, 1,724 kPag)	Up to 250 psig (18 kg/cm ² g, 1,724 kPag)	Up to 250 psig (18 kg/cm ² g, 1,724 kPag)	Up to 250 psig (18 kg/cm ² g, 1,724 kPag)
Horsepower	Up to 200 hp (149 kW)	Up to 75 hp (56 kW)	Up to 200 hp (149 kW)	Up to 200 hp (149 kW)
Drives	Electric motors.	Electric motors.	Electric motors.	Electric motors.
Liquids Pumped	Chemicals, molten materials and all process.	Chemicals, molten materials and all process.	Chemicals, molten materials and all process.	Chemicals, molten materials and all process.
Temperature	Up to 2,000°F (1,094°C)	Up to 500°F (260°C)	Up to 2,000°F (1,094°C)	Up to 2,000°F (1,094°C)
Materials of Construction	Ductile iron, 316 SS, A48, 317 SS, R55, Nickel, Elcomet K, Hastelloy(s), plus most machinable alloys.	Ductile iron, 316 SS, A48, 317 SS, R55, Nickel, Elcomet K, Hastelloy(s), plus most machinable alloys.	Ductile iron, 316 SS, A48, 317 SS, R55, Nickel, Elcomet K, Hastelloy(s), plus most machinable alloys.	Ductile iron, 316 SS, A48, 317 SS, R55, Nickel, Elcomet K, Hastelloy(s), plus most machinable alloys.
For Additional Information Request	Brochure LB-010	Brochure LB-010	Brochure LB-010	Brochure LB-010

				
	Process, Chemical and Hazardous Liquid Pumps DHL/DPL	Centrifugal Pumps Q Series	Horizontal Pumps DZT Series	Process, Chemical and Hazardous Liquid Pumps G
Type	Self-priming, clamped casing design pumps based on the Hydrobalance Principle. Vertical, horizontal and side separators. Suction lift up to 25 feet (8 meters). Models DHL, DPL, DS.	Triple volute, back pullout, bracket mounted or close coupled designs. Up to 20% entrained air, open impeller in circular casings. Models Q, SQ, DQD.	Back pullout, bracket mounted or close coupled designs with clamped casings. Open impeller in circular casings. Models DZT, SZ, DZD.	Self-priming, vertical construction pumps with operation based on the Hydrobalance Principle. Fitted with kinetic seals. Suction lift up to 25 feet (8 meters). Models CG, BG.
Capacities	Up to 1,200 gpm (273 m ³ /hr)	Up to 1,100 gpm (250 m ³ /hr)	Up to 415 gpm (94 m ³ /hr)	Up to 840 gpm (191 m ³ /hr)
Head	Up to 250 feet (76 meters)	Up to 250 feet (76 meters)	Up to 325 feet (99 meters)	Up to 275 feet (84 meters)
Pressure	Up to 150 psig (11 kg/cm ² g, 1,034 kPag)	Up to 150 psig (11 kg/cm ² g, 1,034 kPag)	Up to 350 psig (25 kg/cm ² g, 2,414 kPag)	Up to 150 psig (11 kg/cm ² g, 1,034 kPag)
Horsepower	Up to 75 hp (56 kW)	Up to 125 hp (93 kW)	Up to 100 hp (75 kW)	Up to 75 hp (56 kW)
Drives	Electric motors, steam turbines and belt drives.	Electric motors and steam turbines.	Electric motors, steam turbines and belt drives.	Electric motors.
Liquids Pumped	Chemicals, condensate systems, entrained air and process.	Chemicals, pulp and paper, entrained air and all process.	Chemicals, pulp and paper, entrained air, slurry and all process.	Chemicals, entrained air and all process.
Temperature	Up to 400°F (205°C)	From -20°F to 500°F (-29°C to 260°C)	From -20°F to 400°F (-29°C to 205°C)	From -20°F to 150°F (-29°C to 66°C)
Materials of Construction	Cast or ductile iron, 316 SS, A48, 317 SS, R55, Nickel, Elcomet K, Hastelloy(s), Titanium, Zirconium, plus most machinable alloys.	316 SS, A48, 317 SS, R55, Nickel, Elcomet K, Hastelloy(s), plus most machinable alloys.	Ductile iron, 316 SS, A48, 317 SS, R55, Nickel, Elcomet K, Hastelloy(s), plus most machinable alloys.	Ductile iron, 316 SS, A48, 317 SS, R55, Nickel, Elcomet K, Hastelloy(s), plus most machinable alloys.
For Additional Information Request	Brochure LB-001	Brochure LB-009	Brochure LB-002	Brochure LB-003

For
Additional
Information
Request

Type

Features

 Dry Run Protector L100DX Series	 ANSI Secondary Containment Secure-Seal™	 Ease-Align™ Motor Mount	 ANSI Non-Metallic Base Plate
The LaBour Dry Run Protector protects magnetically driven or other centrifugal pumps from damage caused by dry running and/or excessive flow operation.	Secure-Seal™ is a patented secondary containment device to help meet the Environmental Protection Agency's guidelines for fugitive emissions, without going to magnetic drive pumps.	Ease-Align™, an adjustable motor mounting system, that simplifies the alignment procedure.	Corrosion resistant, non-metallic base plates are a cost-effective, durable alternative to conventional base plates.
Minimizes potential pump damage. Adjustable time delay. Adjustable current settings. Available on all pumps. Current or power sensing.	Secondary sealing design. Available in most alloys. Available for LVA, TFA, LHLa and LPLA pumps. Leak detector options (level, pressure, ultrasonic).	No motor bolt binding. Available in all sizes. Uses cost effective corrosion resistant materials. Use with all base plates — Channel/CPR. Saves time for any type of coupling alignment.	Corrosion resistant materials. Epoxy resin mixed with mineral rock for ANSI applications. ANSI Standard dimensions. Positive equipment mounting. Available with Ease-Align™. No grouting required. Can be used with other manufacturer's ANSI pumps.
	Brochure LB-204	Brochure LB-203	Brochure LB-202

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PEERLESS
PUMP®

VERTICAL LINESHAFT TURBINE PUMPS

Open and Enclosed, Threaded Column

Peerless Pump vertical turbine pumps provide a wide range of hydraulic and mechanical coverage and are offered in numerous material and design configurations. These configuration options allow for custom-engineered construction tailored to suit your requirements while ensuring maximum value, high efficiency and long-term pump performance.

FEATURES

Enclosed-type bronze impellers are standard construction, but other materials are available. They cover a wide range of flow / head conditions and are balanced for smooth operation.

Peerless Pump standard bowls are cast with integral vanes to guide the flow to the next stage with **minimum losses** and **maximum efficiency**. All bowls are porcelain-lined for protection and efficiency.

Dual bowl bearings (pioneered and patented by Peerless Pump) protect the shaft and extend the life of the pumps. Both bronze and rubber seals protect the shaft and impellers against wear.

The two sealing surfaces prevent efficiency-robbing recirculation within the bowl. Minimal radial clearances between the impeller skirt and the bowl create a dynamic sealing surface.

The lateral ring is the static sealing surface, installed into the bowl below the impeller skirt. It is constructed of a rigid metallic core surrounded by heavy-duty resilient rubber. It protects bowl surfaces, provides protection for the impellers in case of catastrophic failures, and enables prolonged pumping efficiency.

Threaded column is an economical, durable choice for pumps up to 16 inches in diameter.

Pumps can be product lubricated (open lineshaft) or lubricated by oil, grease or fresh water (enclosed lineshaft).

The standard cast iron discharge head can handle pressures **up to 400 psi** and is standardized to accommodate the maximum number of NEMA motor sizes. Options include fabricated steel construction, underground discharge and more.



APPLICATIONS

- Water and other nonabrasive fluids
- Raw water transfer
- Finished water projects
- From small, single-pump commercial installations to large, multi-pump water supply systems certified to comply with NSF 61 and 372
- Mining
- Agriculture
- Municipal
- Fire protection
- Industrial
- Process
- Deep wells
- High-temperature and -pressure applications

SPECIFICATIONS

Capacities	Up to 100,000 gpm (22,712 m ³ /hr)
Head	Up to 2,500 feet (762 meters)
Pressure	To fit the application
Horsepower	Up to 5,000 hp (3,728 kW)
Temperature	Up to 180°F (82°C)
Drives	Vertical electric motors, engines with right-angle gears, combination gear drives, or vertical motors with variable speed drives
Liquids	Water or other nonabrasive liquids
Materials	Cast iron / bronze-fitted as standard; alternate materials available to suit the application

VERTICAL LINESHAFT TURBINE PUMP TECHNICAL DATA



	Municipal Pumps	Deep Well Pumps	Axial and Mixed Flow Pumps	Vertical Fire Pumps	Encased Pumps	Pre-engineered Booster Pumps	Submersible Pumps
Type	Municipal, industrial and process close coupled vertical turbine pumps.	Deep well line shaft pumps, water and oil lubricated, underground and surface discharge.	Hydrofoil pumps, PL propeller and mixed flow pumps for large water volumes, low to moderate head.	Vertical fire pumps, UL Listed and FM Approved. Designed for fresh water and sea water applications where a suction lift is required.	Encased Pumps Encased (can type) water and process liquid pumps. Excellent for low NPSH requirements.	Vertical pre-engineered booster pumps for special applications, low NPSH, space saving.	Vertical submersible pumps for municipal and agriculture applications.
Capacities	Up to 150,000 USGPM (34,091 m ³ /hr)	Up to 10,000 USGPM (2,273 m ³ /hr)	Up to 220,000 USGPM (50,000 m ³ /hr)	250 to 5,000 USGPM (57 to 1,136 m ³ /hr)	Up to 150,000 USGPM (34,091 m ³ /hr)	80 to 500 USGPM (18 to 114 m ³ /hr)	Up to 8,000 USGPM (1,818 m ³ /hr)
Head	Up to 2,300 feet (701 meters)	Up to 2,500 feet (760 meters)	Up to 100 feet (30 meters)	92 to 1,176 feet (28 to 359 meters)	Up to 6,930 feet (2,112 meters)	Up to 925 feet (282 meters)	Up to 1,000 feet (305 meters)
Power	Up to 5,000 hp (3,730 kW)	Up to 1,500 hp (1,118 kW)	Up to 5,000 hp (3,730 kW)	Up to 600 hp (448 kW)	Up to 2,000 hp (1,491 kW)	Up to 100 hp (75 kW)	Up to 500 hp (373 kW)
Materials	Machinable alloys and their combinations to suit the application and pumped liquid (B-110)	Machinable alloys and their combinations to suit the application and pumped liquid (B-100)	Machinable alloys and their combinations to suit the application and pumped liquid (B-300)	Cast iron / bronze-fitted as standard, optional materials available for sea water and other applications (B-1500)	Machinable alloys and their combinations to suit the application and pumped liquid (B-400)	Cast iron / bronze fitted (B-2700)	Cast iron / bronze fitted, all iron, all bronze (B-700)



Peerless Pump designs tough, versatile products to meet your pumping needs. Vertical lineshaft turbine pumps deliver variety, durability, standardized options and configurations unequalled in the industry.

For more information  **contact your local authorized Peerless Pump distributor or visit** **peerlesspump**  **com**



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