LaBour TFA PUMP

Triple Volute ASME / ANSI B73.1 Pumps

LaBour’s TFA style pump not only meets the specifications of ASME/ANSI (B73.1), but it goes one step further with its triple volute design.

The Triple Volute design of the LaBour TFA pump balances radial loads better than conventional single or dual volute designs. This results in longer bearing and seal life at both the design and low flows, saving you money on replacement parts and maintenance.

Applications

- Synthetic Resins and Latex
- Viscous Fluids
- Petrochemicals
- Entrained Air or Vapor
- Vacuum Systems
- Product Transfer
- Industrial Waste
- Heat Transfer
- Acids

LaBour TFA

Temperature:
From -50°F to 500°F

Pressure:
Up to 350 PSI

Markets

- Industrial
- Petroleum
- Power
- Utility
- Chemical Process
- Food & Beverage Process
- Pulp & Paper
- Pharmaceutical
- OEM
- Agriculture
- Primary Metals
- Pollution Control

LaBour - When pump failure is not an option.
**Material Selection**

- 316SS
- 316L
- 304SS
- 304L
- A-48 (ASTM CD4-MCu)
- Elcomet K (ASTM CN-7M)
- R-55 Proprietary (Nickel based alloy)
- Y-17 (Similar to Hastelloy C)*
- Y-30 (Similar to Hastelloy B)*
- Nickel
- Titanium

*Other Alloys Available*

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**Design Features and Benefits**

- **Better Viscosity Performance**
  Fully open semi-vortex impeller design reduces shear, resulting in lower losses when pumping viscous fluids.

- **Good Air Handling**
  Three volutes and circular casing prevent vapor-lock, and can handle up to 20% entrained gases.

- **Less Shaft Deflection**
  Three equally-spaced volutes result in balanced radial forces, giving longer bearing and seal life.

- **Standard Option**
  - Casings: 150 lb, 300 lb, FF or RF flanges. Jacketed design for heating or cooling.
  - Stuffing Box: Standard large, Taper or Sealmate\textsuperscript{TM} bore designs. Jacketed design for heating or cooling.
  - Adapter: Available in same metallurgies as listed above for pumps. (reference: Material Selection)
  - Bearing Housings: Available in various metallurgies. Jacketed design for cooling, oil mist, greaseable or sealed for life bearing lubrication.
  - Baseplates: Drip rims, drip pans, stilt mounting, CPR (non-metallic), or special engineered designs.

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**Service and Delivery**

LaBour’s investment in inventory gives you the advantage of short lead times. We can schedule your order without material delays.

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**LaBour - When pump failure is not an option.**

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