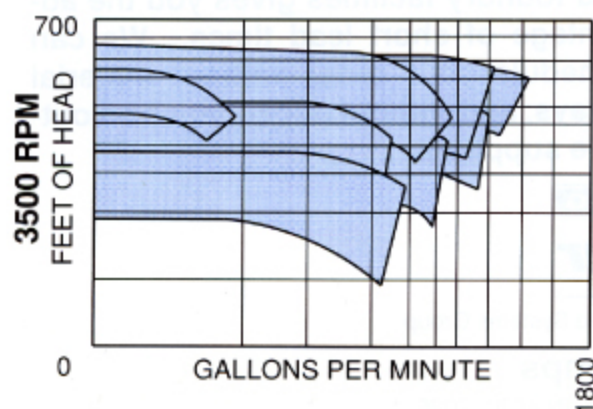
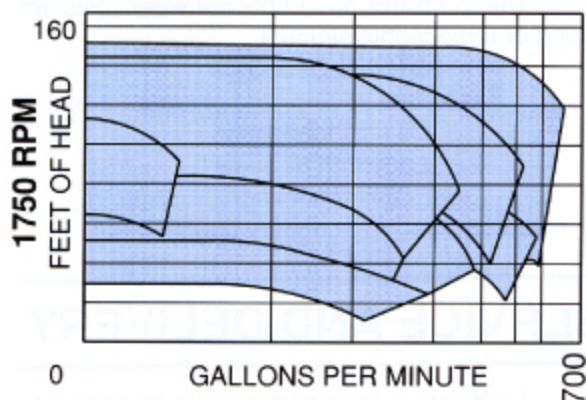


LaBOUR TFA

Model Range: A10 (3" X 2") to A70 (4" X 3")

Temperature: From -50°F to 500°F

Pressure: Up to 350 PSI



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
- Solids and Slurry Handling
- Vacuum Systems
- Product Transfer
- Industrial Waste
- Heat Transfer
- Acids



BETTER VISCOSITY PERFORMANCE

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



GOOD AIR HANDLING

Triple volutes and circular casing prevent vapor-lock, and can handle up to 20% entrained gases.



LESS SHAFT DEFLECTION

Triple equally-spaced volutes result in balanced radial forces, giving longer bearing and seal life.

DESIGN FEATURES AND BENEFITS

- A) LaBour's TFA pump features a **back pull-out** design with a **triple volute casing** that ensures hydraulic radial-balance.
- B) Accurately machined **rabbet fits** maintain positive alignment.
- C) **Open type impellers** insure efficient handling of clear liquids, slurries, and solids. Ductile iron pumps feature a 316 Stainless Steel impeller as standard.
- D) The available **casings** all feature sturdy support feet and a top center-line self-venting discharge.
- E) The **stuffing box** is adaptable to either packing or a mechanical seal.
- F) **Balanced radial thrust design** makes it ideal for low flow applications.
- G) The **thrust bearing** is matched set of duplex angular contact bearings, cartridge mounted, which minimizes end play and extends the seal life.
- H) The **heavy duty cast iron bearing housing** is supplied with a constant level oiler, flinger, and sight glass to assure proper bearing lubrication; bearings run cooler and longer.
- I) All pumps are **performance and hydro tested** as a standard.

MATERIAL SELECTION

Ductile Iron

316SS

316L

304SS

304L

A-48 (ASTM CD4-MCu)

Elcomet K (ASTM CN-7M)

R-55 (Nickel based alloy)

Y-17 (Similar to Hastelloy¹ C)

Y-30 (Similar to Hastelloy¹ B)

Nickel

Titanium

Other Alloys Available

1. Registered trademark of Haynes International.

STANDARD OPTIONS

Casings are available with 150 or 300 pound flat face or raised face flanges. Jacketed design for cooling or heating is available.

Both the **bearing housing** and the **adapter** can be upgraded to 316SS or Elcomet K for extra corrosion resistance.

Stuffing Box available with **enlarged, straight, or tapered bore** for better cooling and flushing of the mechanical seal.

Pump **shafts** have optional wear resistant coating or replaceable sleeves.

OTHER OPTIONS

Base plate w/ drip rims or pans

Oil mist lubrication

Labyrinth oil seals

Stilt mounting

Secure-SealTM secondary containment

SERVICE AND DELIVERY

LaBour's investment in inventory and foundry facilities gives you the advantage of short lead times. We can schedule your order without material delays, and without dependence on outside suppliers.



LaBour
Labor

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