

# LaBour Taber

**The World's Longest Lasting Pumps...  
Bar None!**



ISO 9001:2000

## LaBour LVA

### LVA ANSI Standard Dimension Pumps

The LaBour LVA Series pumps are manufactured for a wide range of flow and head requirements and meet the latest ASME and ANSI B73.1 specifications.

The LVA Series combines high efficiency, maximum performance, lower vibration and shaft deflection resulting in extended MTBF (mean time between failure) for reduced maintenance cost.

### Applications

The LVA ANSI-standard pump will handle corrosive, toxic and abrasive process liquids such as acids, bases and solvents.

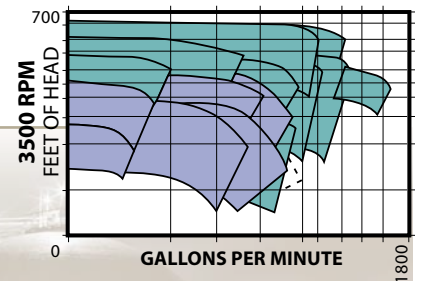
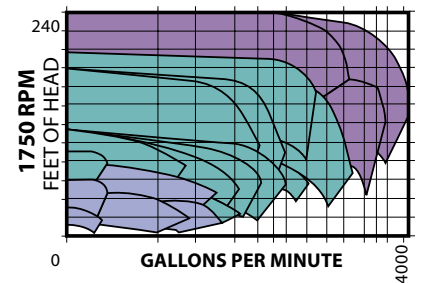
- Agriculture
- Chemical Transfer
- Petro-Chemical
- Pulp & Paper
- Plastics
- Refining
- Pharmaceutical Plants

A wide range of alloys, options and sealing systems makes it an ideal choice for almost any application.

### LaBour LVA Range Charts

**Model Range:**  
AA(1.5" x 1"- 6.375")  
to  
A120 (10" x 8" - 15")

**Temperature:**  
50 to 500° F



### 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.**



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Ph: (317) 925-9661 • fax: (317) 920-6605 • www.labourtaber.com



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## Design Features and Benefits

- The LVA casing is a self venting, top centerline discharge with a fully confined gasket.
- Dual oil level monitoring systems; "Bullseye Sight Glass" and clear "Trico® Optimatic" constant level oiler.
- Two heavy duty, back-to-back mounted, 7300 series, angular contact bearings, providing an industry leading L10 life in excess of 100,000 hours.
- Largest shaft diameter (D) and shortest impeller overhang (L), resulting in the lowest "Shaft Flexibility Factor (L3/D4)" in the industry.
- Flinger type lubrication system creates a constant oil mist cascading over the radial & thrust bearings, resulting in cooler running bearings than other manufacturers flooded lubricated bearings.
- Integral back pump out vanes reduce stuffing box pressure, extending mechanical seal and bearing life.
- A Low Flow Impeller is available for select sizes of Pump Group I, II & III pumps. This Low Flow Impeller helps extend MTBF for those applications operating far to the left of the best efficiency point (BEP) of the standard pump.

## Material Selection

**Ductile Iron**  
**316SS**  
**316L**  
**304SS**  
**304L**  
**A-48** (ASTM CD4-MCu)  
**YC** (ASTM CX2-MW)  
**Elcomet K** (ASTM CN-7M)  
**R-55** Proprietary (Nickel based alloy)  
**Y-17** (Similar to Hastelloy C)\*  
**Y-30** (Similar to Hastelloy B)\*  
**Nickel** (ASTM CZ-100)  
**Titanium** (ASTM C-3 & C-8A)  
*Other Alloys Available*

*\*Registered trademark of Haynes International.*

## Standard Option

- Casings: 150 lb, 300 lb, FF or RF flanges. Jacketed design for heating or cooling.
- Stuffing Box: Standard large, Taper or Sealmate™ 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.

## 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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