L3 RE-ENGINEERED PUMP
RENEWED, RELIABLE...
RE-ENGINEERED!
L3 RE-ENGINEERED PUMPS

HAVE CHRONIC FAILURES BECOME THE ACCEPTABLE NORM?

Why repair high maintenance or misapplied pumps when the Leistritz L3 Re-engineered pump gives you a drop-in replacement that may cost less than repairing the existing pump?

In many plants, older, discontinued or inadequate pumps are a recurring problem that require constant attention. This means frequent downtime and lost production while back-up pumps are brought on line. It also means employing outside service contractors, or utilizing an already strained in-house maintenance crew and procuring expensive, long lead-time, replacement parts. Either way, ownership of older or overextended pumps is very costly.

In the past, installing a replacement pump typically required extensive piping modifications, driver relocation and/or baseplate modifications.

WE HAVE THE SOLUTION!

The Leistritz Re-Engineered Pump utilizes our standard 3-Screw Pump Cartridge with a fabricated casing to match your existing footprint and piping/driver connections. Our modern 3-Screw Pump Cartridge has only one mechanical seal, one bearing and no wear components, thus assuring reliable, efficient operation.
HOW THE MONEY-SAVING LEISTRITZ SOLUTION WORKS.

Give us the dimensions and performance requirements of your existing twin screw, three screw, gear, piston, centrifugal or lobe pump. We will select the appropriate Leistritz pump cartridge, which is the entire pumping element. Then we’ll insert this cartridge into a customized casing designed to match your existing mounting and piping configuration. The pump cartridge is fully performance tested and the casing is hydrostatically tested.

The result...an all new direct drop-in Leistritz 3-Screw Pump that typically costs less than repairing the existing pump and usually greatly increases the pump availability.

THE ADVANTAGES...

• An all new pump, fully tested and warranted, to replace your present one
• Installation without hot work or electrical wiring issues (utilize existing baseplate and motor)
• Flow and pressure performance that match your current requirements
• Greater efficiency with the use of more advanced pump design
• The cartridge is a standard off-the-shelf unit for simplicity and fast turn around
• Much lower cost of ownership
• Greatly increases pump availability.

LEISTRITZ L3 CARTRIDGES, THE PICTURE OF QUALITY AND PERFORMANCE

Scope of Supply

- One-Piece, nitrided, hardened and ground steel rotors
- Single bearing (product or grease lubricated)
- Single Mechanical Seal (located in low pressure chamber) Hydraulically balanced design (no thrust load)
- Durable, fabricated-steel casing (available with optional integral relief valve)
- Pulsation-free and low shearing design

Performance Data

- Flow: 3 –1,100 gpm
- Differential Pressure: 2,300 psi (max.)
- Viscosity: 33-200,000 ssu
- Temp: 0-525°F

Typical Applications

- Vacuum Tower Bottoms
- Coker Charge
- Forwarding
- Transfer
- Loading/Unloading
- Boosting
- Injection
- Charge Re-Circulation
- Igniter
LEISTRITZ PUMPS AROUND THE WORLD

Leistritz began manufacturing screw pumps nearly a century ago, its first product being a unique, 2-rotor design screw pump for fuel oil service.

Since then the screw pump family has expanded to 3-rotor, 5-rotor and 2-rotor liquid as well as Multiphase Pumps. Leistritz’ engineered approach means our standard products are molded to the demands of the Chemical Processing, Marine, Oil and Gas, Refining and Power Generation markets. All Leistritz pumps are built to recognized quality standards (ISO 9001 Certified) and in compliance with API and ABS standards.

Leistritz engineers, designs and constructs complete turnkey pumping packages, including pumps, motors, base plates, piping, valving, instrumentation, monitoring and control panels as well as other components needed for reliability, performance and economy.

Contact Leistritz for additional pump or cartridge data.

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