L3 re-engineered pumps replaced twin screw pumps in fuel oil injection application

L3 re-engineered pumps replaced 3-screw pumps in crude oil charge application

L3 re-engineered pumps replaced twin screw pumps in asphalt flux and asphalt transfer applications

NOT REPAIRED...NEW!
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 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 may have required expensive 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 technology assures reliable, efficient operation while pumping a broad range of fluids: including: asphalt, asphalt flux, asphaltenes, pitch, tar, lube oil, light and heavy fuel oil, residuals, vacuum bottoms, Olefins, process fluids, crude oil, kerosene or other lubricating fluids.

Then, if repair is needed, pull out one cartridge and slip in a new one. It’s fast, trouble free and therefore, very economical.

HOW THE MONEY-SAVING LEISTRITZ SOLUTION WORKS.

Give us the dimensions and performance requirements of your existing twin screw, three screw, centrifugal, gear, piston 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.

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;
• Simpler maintenance, remove the installed cartridge and replace it with a spare cartridge;
• The cartridge is a standard off-the-shelf unit for simplicity and fast turn around;
• All together, much lower cost of ownership.

LEISTRITZ L3 CARTRIDGES – THE PICTURE OF QUALITY AND PERFORMANCE

• One-piece, nitrided, hardened and ground steel rotors;
• Single bearing (product, oil or grease lubricated);
• Single mechanical seal (located in low pressure chamber);
• Hydraulically balanced design means no thrust load;
• Durable, fabricated-steel casing, available with optional integral relief valve;
• Pulsation-free and low shearing design.

Typical Applications:

Batching
Forwarding
Transfer
Loading
Unloading/Boosting
Bulk Handling
Lubrication
Injection
Charge
Re-circulation
Igniter

Performance Data:

Flow: 3-1,100 gpm
Diff. Pressure: 2,300 psi (max.)
Viscosity: 33-200,000 ssu
Temperature: 5-360°F
**LEISTRITZ L3 RE-ENGINEERED PUMPS**

**ALL NEW...FULLY WARRANTED...AND SOMETIMES LESS THAN THE PRICE OF A REPAIR**

It’s not hard to tell when a pump fails. Leistritz L3 Re-engineered pumps put you back on line quickly and economically.

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- Bulk Handling
- Lubrication
- Injection
- Charge
- Re-circulation
- Igniter

**Performance Data:**

| Flow: | 3-1,100 gpm |
| Diff. Pressure: | 2,300 psi (max.) |
| Viscosity: | 33-200,000 ssu |
| Temperature: | 5-360°F |
**SPECIFICATIONS:**

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<th>Leistritz Pump Size</th>
<th>Differential Pressure (psi)</th>
<th>Speed (rpm)</th>
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<th>Replaces Sier-Bath Pump Type</th>
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Contact Leistritz for additional pump or cartridge data.

**LEISTRITZ PUMPS AROUND THE WORLD**

Leistritz began the manufacture of screw pumps more than 80 years 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, Power Generation and Machine Tool markets. And all Leistritz pumps are built to recognized quality standards (ISO 9001 Certified) and in compliance with API and ABS standards.

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