

*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 Leistriz 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 Leistriz 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 Leistriz 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 Leistriz 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 Pump Size	Differential Pressure (psi)	Speed (rpm)	Viscosity						Replaces Warren Pump Type	Replaces Sier-Bath Pump Type
			500 SSU (106 cSt)		1000 SSU (215 cSt)		2300 SSU (500 cSt)			
			Flow (gpm)	Power (Hp)	Flow (gpm)	Power (Hp)	Flow (gpm)	Power (Hp)		
80/132	100	1750	172	14.8	173	16	174	18	J30	NEHP NE
	200	1750	170	25	172	26	173	28		
	400	1750	168	45	170	46	172	48		
80/160	100	1750	208	17	209	19	211	21		
	200	1750	206	30	208	31	210	34		
	400	1750	204	55	206	56	208	59		
100/172	100	1750	351	30	353	32	354	36	J40	NHHP NH
	200	1750	348	50	351	53	353	57		
	400	1750	345	92	348	95	351	99		
100/200	100	1750	408	35	410	37	412	42		
	200	1750	405	59	408	62	411	67		
	400	1750	401	107	405	110	409	115		
125/210	100	1150	438	35	441	37	443	41	J50	NIHP NI
	200	1150	434	61	438	63	442	68		
	400	1150	428	113	434	116	439	120		
125/250	100	1150	522	41	525	44	528	49		
	200	1150	517	73	522	76	526	80		
	400	1150	509	135	516	138	522	143		
160/320	100	1150	1099	87	1105	94	1110	104	J60	NIJHP NH
	200	1150	1090	153	1099	159	1106	169		
	400	1150	1077	283	1090	290	1100	300		

Contact Leistritz for additional pump or cartridge data.

## 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.



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