

Leistritz
PUMP TECHNOLOGY

MULTIFUEL PUMPS

Efficient. Smart. Proven.



leistritzcorp.com/pump-technology

WE CONVEY FUTURE FUELS. SAFE. GUARANTEED.

The global energy landscape is rapidly shifting, with future fuels like Ammonia, Methanol, LPG, and LNG at the forefront. At Leistriz, we are committed to pioneering advanced pump technologies to meet these evolving

demands. Our future fuel pumps are engineered for efficiency, reliability, and sustainability, ensuring seamless operation across diverse industrial applications.

OUR PROVEN SOLUTIONS. L3MW AND FLEXCORE.

For years, Leistriz L3MW and FLEXCORE pumps have been the top choices for fuel handling, thanks to their expert construction and proven performance. Specifically engineered for these applications, they showcase

Leistriz's unmatched expertise. With the broadest screw pump portfolio in the world, Leistriz continues to lead the industry.

Benefits for you

- Corrosion resistance
- Easy maintenance (One-for-all-technology)
- Improved temperature and pressure handling
- Up to 97% efficiency
- Self priming
- Low shear design
- Low pulsation flow
- Variable speed control

LEISTRITZ EXCELLENCE

Expertise

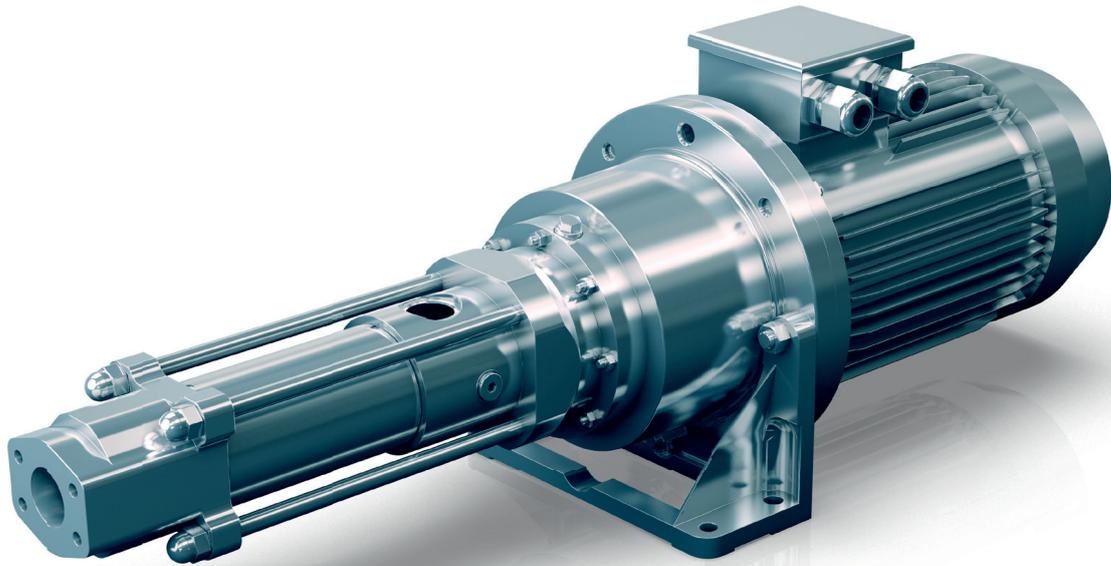
Leverage our extensive technical expertise to enhance your production processes, enabling you to meet cost-efficiency and quality standards more quickly.

Reliability

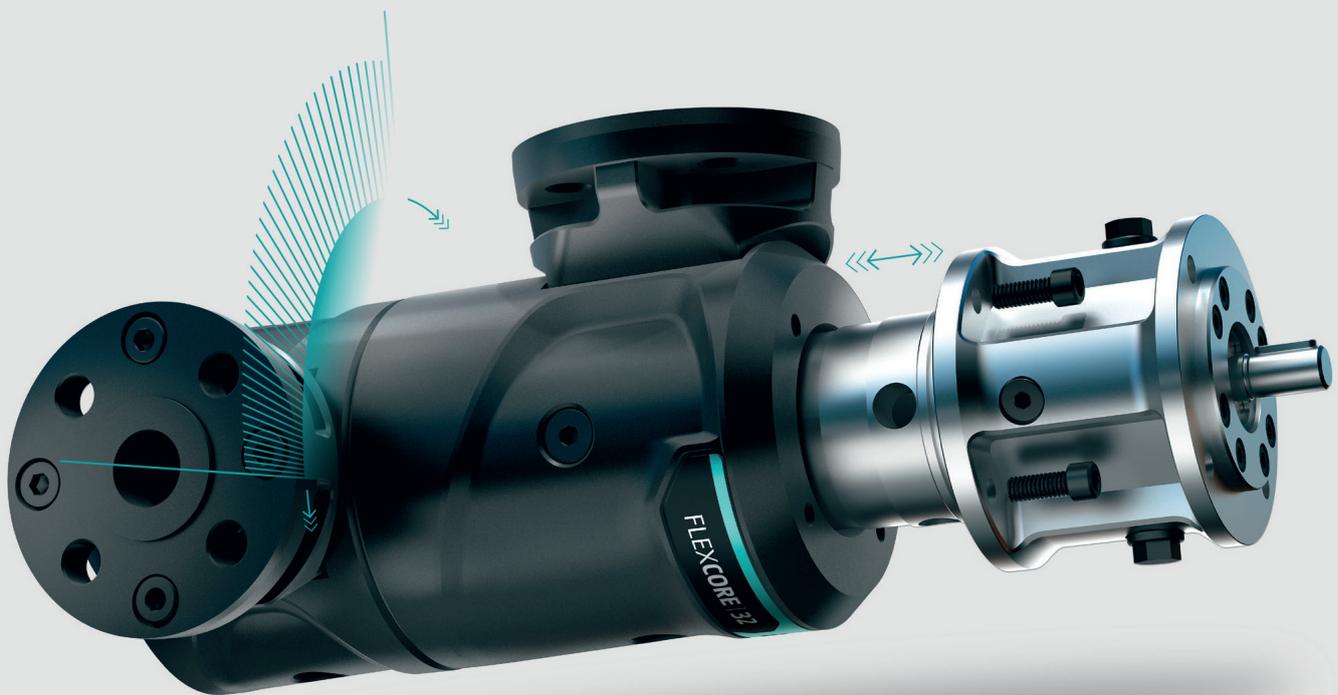
Leistriz offers the world's most comprehensive portfolio of German-engineered screw pumps, ensuring long-term operational safety and reliability.

Safety

Leistriz Multifuel pumps are designed to meet the highest safety standards, including for handling toxic substances and operating in Ex zones.



L3MW



FLEXCORE

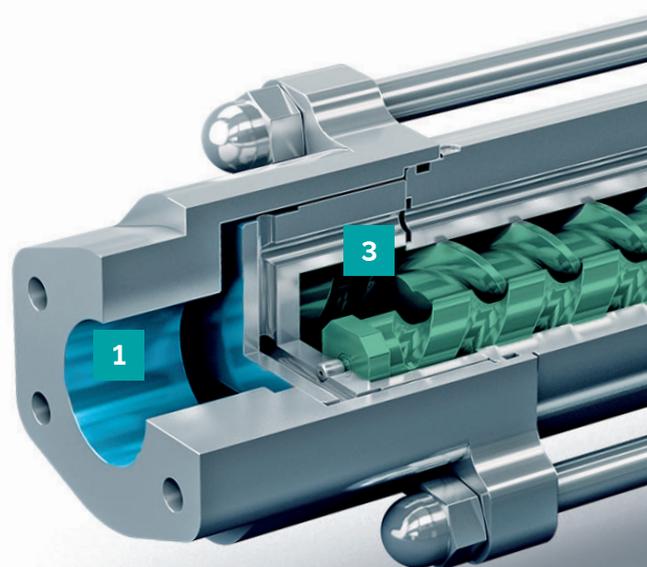
L3MW SCREW PUMPS. THE FUTURE IS NOW.

Transferring various fuels presents unique challenges, but Leistriz has a proven track record of success across multiple applications, effectively conveying LPG and other future fuels. Whether you need expertise in fuel storage,

injection, handling infrastructure, fueling stations, industrial processes, renewable energy production, or maritime applications, Leistriz is here to support your needs.

Reliable Technology

- 1** Suction pressure up to 8 bar
- 2** Optimum body material for each application
- 3** Up to 50 bar differential pressure
- 4** Hermetically sealed due to magnetic drive: Optimum solution for EX zones and toxic liquids
- 5** Standardized brackets for IEC and NEMA drives
- 6** Load free ceramic bearing due to force balancing system



Technical Data: L3MW PUMPS

	Ammonia	Methanol	LPG
Pump body	1.4404 + surface coating	0.7040 + surface coating	0.7040 + surface coating
Screw set	1.8550 nitrided	1.8550 nitrided	1.8550 nitrided
Suction	SAE*	SAE*	SAE*
Discharge	BSP, SAE, DIN, ASME	BSP, SAE, DIN, ASME	BSP, SAE, DIN, ASME
Shaft seal	MAG or single acting mechanical seal	MAG or single acting mechanical seal	MAG or single acting mechanical seal

VISCOSITY

**0.2 –
1,000 cSt**

FLOW RATE

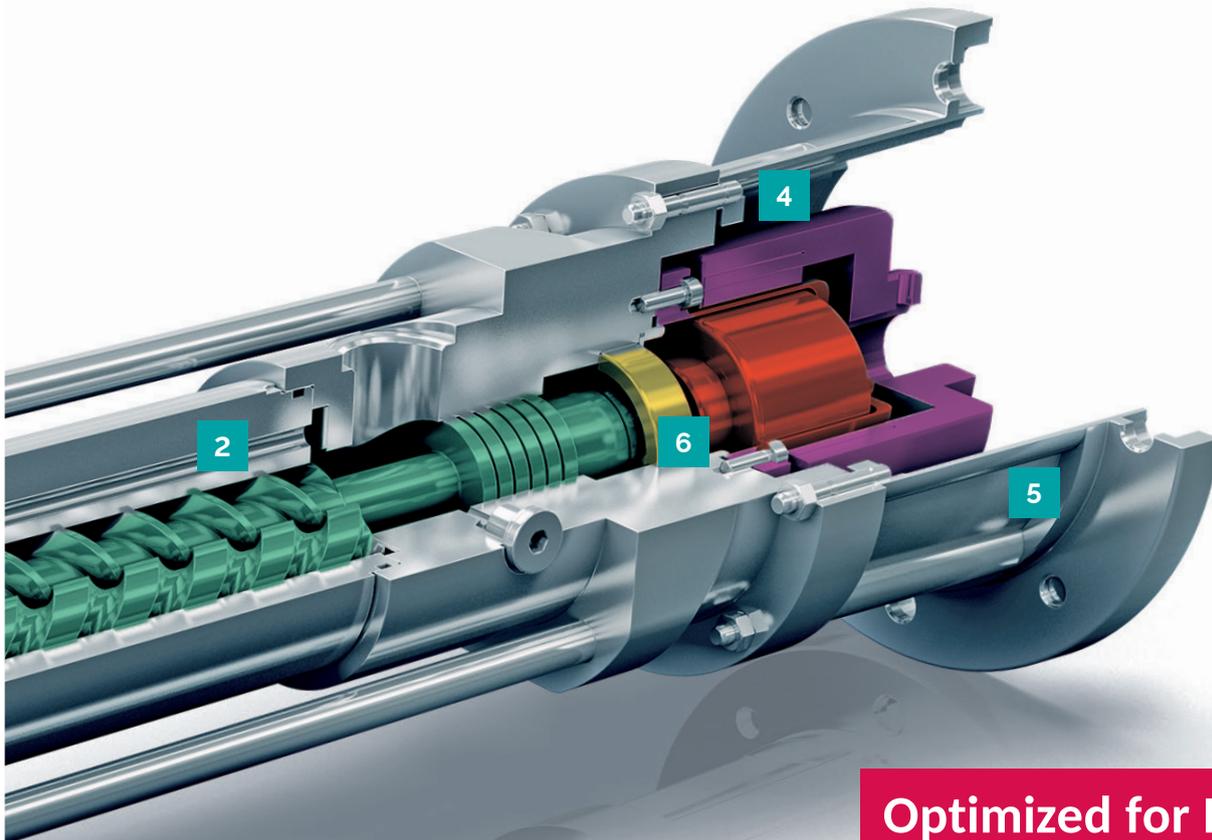
**10 –
700 l/min**

SPEED

**up to
3,600 r/min**

DIFFERENTIAL PRESSURE

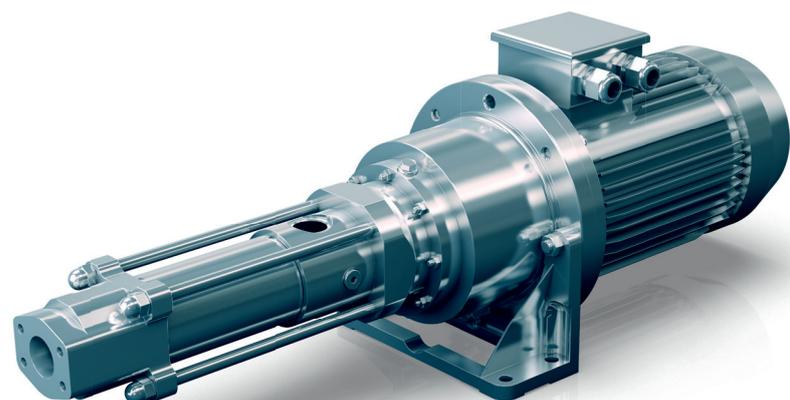
**up to
50 bar**



Optimized for Future Fuels
Handles Toxic Fluids in Ex Zones
safe and effortlessly.

Why this is the optimal pump for Ammonia, Methanol and LPG

- High compatibility
- Constant flow at varying pressures
- Low shear force
- Self-priming capabilities
- Low noise and vibration



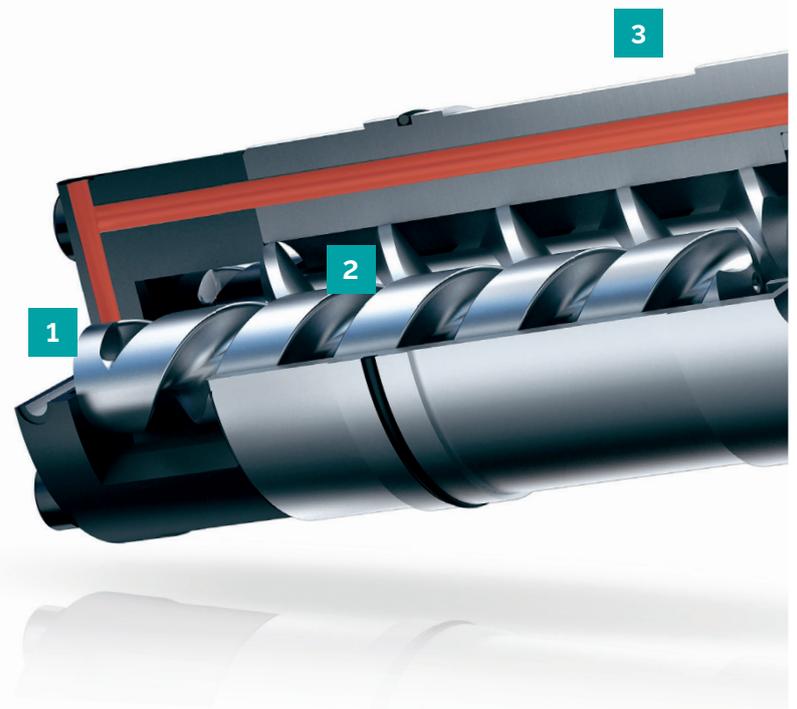
FLEXCORE SCREW PUMPS. MAXIMUM RELIABILITY.

Designed for demanding applications in the naval, energy, mechanical engineering, oil, and chemical sectors, the FLEXCORE pump delivers superior performance and maximum operational reliability. Its patented design and unique functionality offer unprecedented installation flexibility. The easy-to-change cartridge technology makes

replacing the pump insert faster and simpler than ever. Combined with the renowned, virtually wear-free Leistriz quality, FLEXCORE is built for sophisticated applications.

Reliable Technology

- 1** Suction pressure up to 8 bar
- 2** Easy-to-change Leistriz cartridge technology
- 3** Up to 40 bar differential pressure
- 4** Unique patented** Leistriz balancing system
- 5** Standardized installation space for DIN mechanical seals for suction pressure
- 6** Highest operational reliability due to external bearings without harmful medium contact



Technical Data: FLEXCORE Pumps

	LPG	LFO
Pump body	0.7040 + surface coating	0.7040 + surface coating
Screw set	1.8550 nitrided	1.8550 nitrided
Suction	SAE, DIN, ASME	SAE, DIN, ASME
Discharge	BSP, SAE, DIN, ASME	BSP, SAE, DIN, ASME
Shaft seal	MAG or single acting mechanical seal	MAG or single acting mechanical seal

VISCOSITY

**0.2 –
1,000 cSt**

FLOW RATE

**10 –
560 l/min**

SPEED

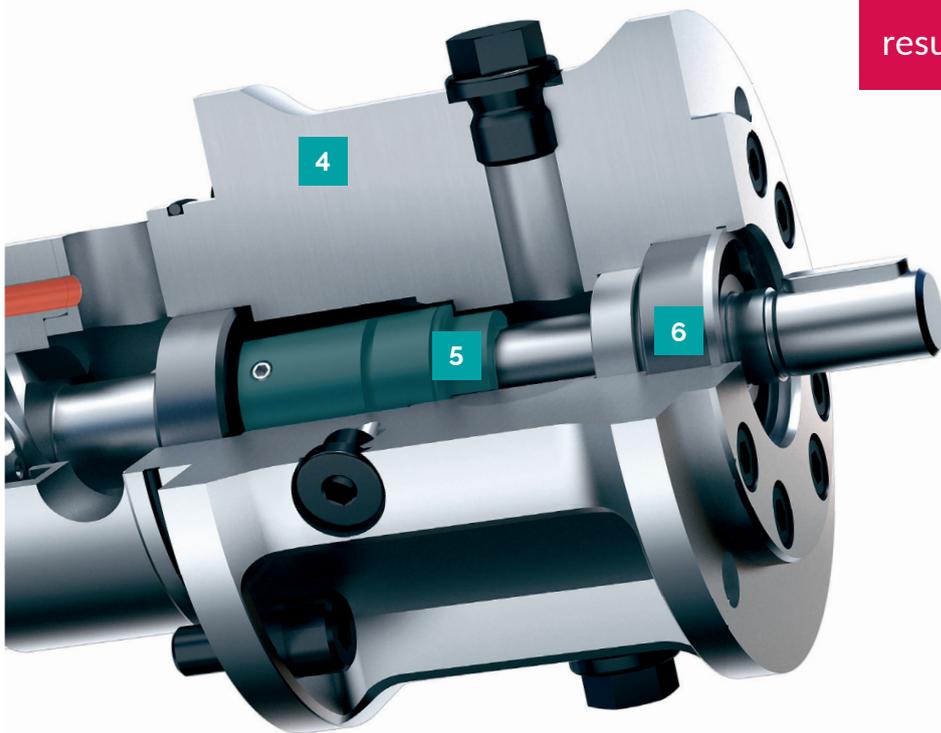
**up to
3,600 r/min**

DIFFERENTIAL PRESSURE

**up to
40 bar**

Efficiency up to 97%

Premium performance and efficiency,
results in low energy consumption.



Why this is the optimal pump for LPG and LFO

- Highest compatibility
- Constant flow at varying pressures
- Low shear force
- Self-priming capabilities
- Low noise and vibration
- Flexible mounting



* Patent No.: DE 10 2019 128 602

** Patent No.: DE 10 2017 121 882

You Never Pump Alone.

Global Services for the Industry.

Leistritz Service is streamlined to meet the demands of your industrial production sites all over the world. We are at your side to safeguard the reliable, trouble-free operation of your production lines at all times. We have your operations in view using

digital technology – supported by a global network of qualified partners close by. “You never Pump alone” is our daily business – practised in the literal sense of the term.



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