

FLEXCORE CI

Technically superior.

Patented easy-to-change cartridge technology



Made in
Germany

FLEXCORE CI | Strong performance offshore and onshore

Patented

The FLEXCORE screw pump series is the next evolutionary stage in the pump sector. Thanks to the unique **patented pump insert**, it meets all the requirements that manufacturers of compressors, lubricating oil systems, burner systems, and diesel engines need.

Robust

Its robust nodular cast iron casing can cope with any challenge and with the most extreme outdoor conditions: **Robust and maintenance-friendly like no other.**

Compact and powerful

FLEXCORE provides a higher flow rate and a higher differential pressure at a smaller size. This means a pressure difference of up to 40 bar and, for you, the highest throughput at the smallest required space for installation.

Application examples

Lubricating oil pump

Pumped medium	ISO VG 100
Flow rate	120 l/min
Pressure (suction side)	-0,1 bar
Pressure (discharge side)	26 bar
Differential pressure	26.1 bar
Viscosity range	17 - 730 mm ² /s
Temperature range	10 - 85 °C

Burner pump

Pumped medium	MGO/MDO
Flow rate	90 l/min
Pressure (suction side)	-0.1 bar
Pressure (discharge side)	38 bar
Differential pressure	38.1 bar
Viscosity range	4 - 15 mm ² /s
Temperature range	20 - 40 °C

FLEXCORE | Aligned to your requirements



Also available with modular casings

The FLEXCORE is available in carbon steel (Type SC) and nodular cast iron (Type CC), and in 6 categories each for low-pulsation flow rates from 7 to 564 l per minute.

	FLEXCORE CI
Flow rates	6 flow rate categories from 7 - 564 l/min
Viscosity	1.1–2,500 mm ² /s
Operating temperature	-10–180 °C
Differential pressure	1–40 bar
Suction pressure	max. 8 bar

1

Technically superior

Superior performance data provide maximum operational reliability in an extremely wide range of applications. For example, for operation at a pressure of up to 40 bar or a differential pressure of 10 bar, and at a viscosity of only 1.1 mm²/s.

2

Digital early detection

With the smart pulse pump sensor, the pumps can be monitored and their data evaluated at any time. E.g. for maintenance based on operating hours, for early fault detection, and for fault cause analysis.

3

Extremely short delivery times

The unique modular design allows the pumps to be delivered **from stock** within a very short time.

FLEXCORE | Patented easy-to-change cartridge technology

The easy-to-change cartridge technology makes changing the pump insert faster and easier than ever.

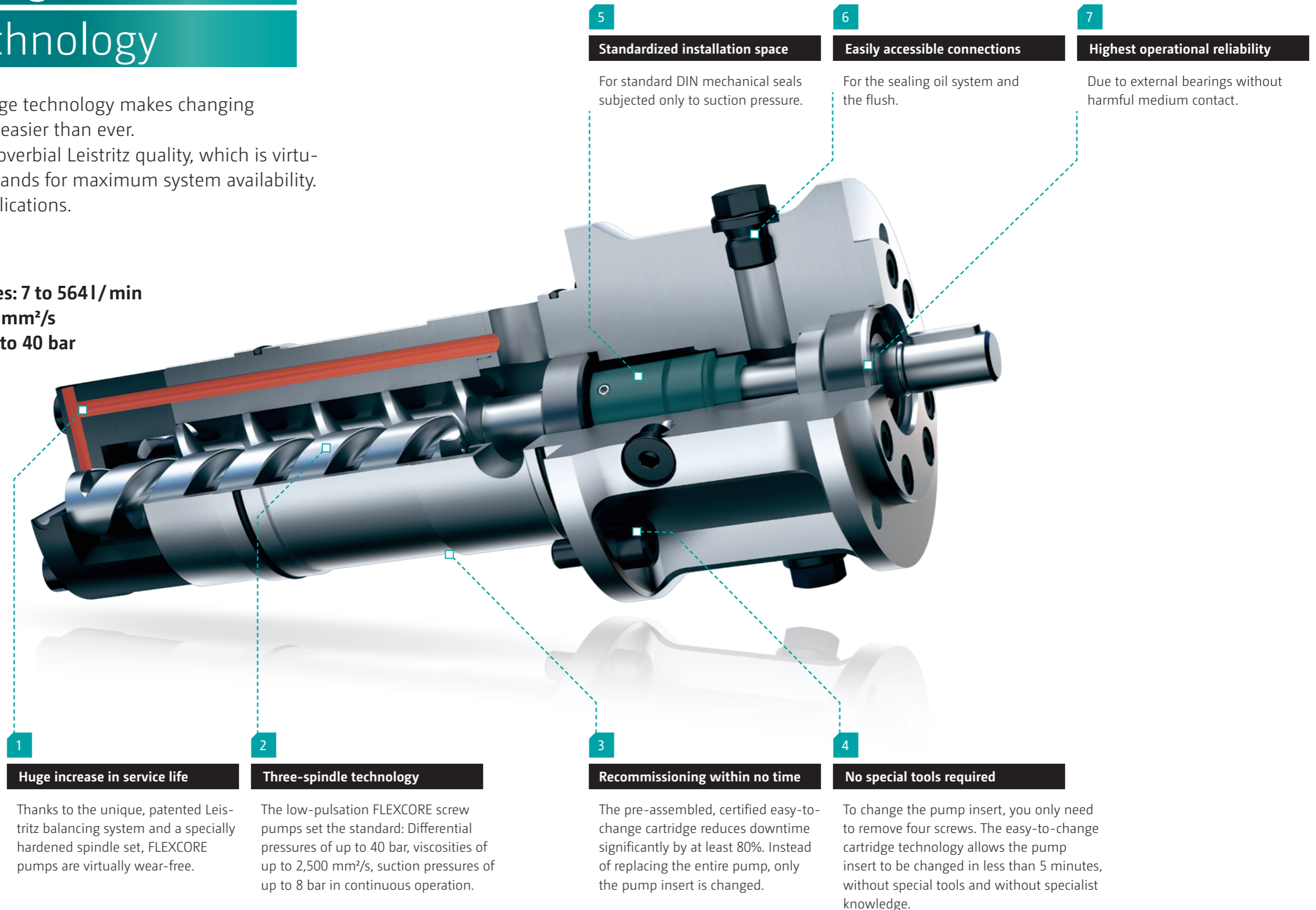
In combination with the proverbial Leistriz quality, which is virtually wear-free, FLEXCORE stands for maximum system availability. Made for sophisticated applications.

Made in Germany.

➤ **Low-pulsation flow rates: 7 to 564 l/min**

➤ **Viscosities: 1.1 to 2,500 mm²/s**

➤ **Differential pressure: 1 to 40 bar**



Sophisticated down to the last detail

1
Huge increase in service life

Thanks to the unique, patented Leistriz balancing system and a specially hardened spindle set, FLEXCORE pumps are virtually wear-free.

2
Three-spindle technology

The low-pulsation FLEXCORE screw pumps set the standard: Differential pressures of up to 40 bar, viscosities of up to 2,500 mm²/s, suction pressures of up to 8 bar in continuous operation.

3
Recommissioning within no time

The pre-assembled, certified easy-to-change cartridge reduces downtime significantly by at least 80%. Instead of replacing the entire pump, only the pump insert is changed.

4
No special tools required

To change the pump insert, you only need to remove four screws. The easy-to-change cartridge technology allows the pump insert to be changed in less than 5 minutes, without special tools and without specialist knowledge.

5
Standardized installation space

For standard DIN mechanical seals subjected only to suction pressure.

6
Easily accessible connections

For the sealing oil system and the flush.

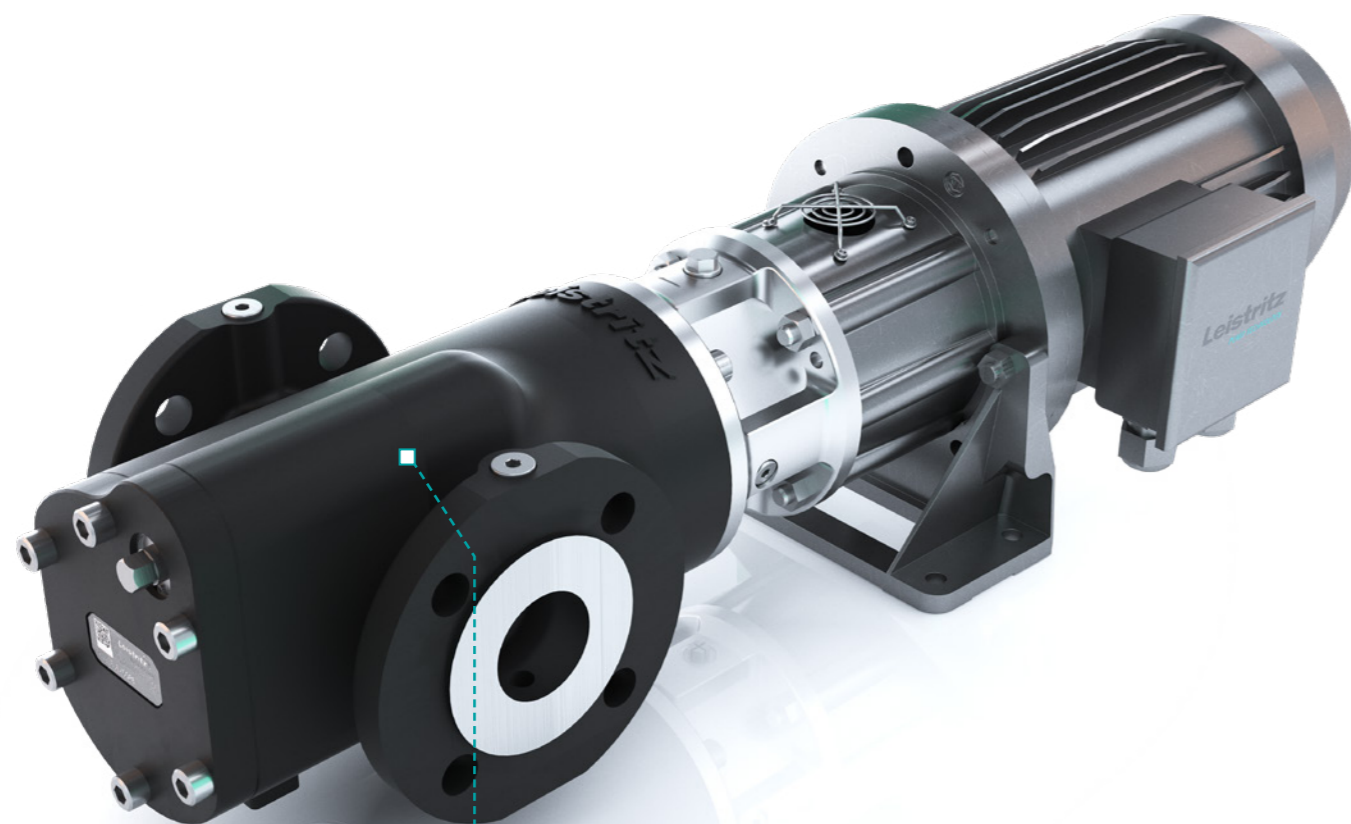
7
Highest operational reliability

Due to external bearings without harmful medium contact.

FLEXCORE CI

Maximum availability

meets maximum power.



1

Easy to retrofit

Even in already existing systems, FLEXCORE can replace almost all screw pumps that are customary in the market.

2

Maximum operational reliability

Reliable pump protection thanks to the integrated, adjustable valve - as standard.

All pumps available from stock

Standardized design simplifies

construction and installation

- Ship class approvals DNV/GL and BV (other options available)
- ATEX-compliant
- DIN flanges (ASME optional)

Ingeniously simple

A nodular cast iron casing that is sophisticated down to the last detail can replace all standard casing types. The FLEXCORE can be easily adapted to a wide variety of installation situations. In addition, it can be easily extended with a base or a pedestal to cover all kinds of installation situations. And this is in the standard version.



FOOT PUMP



FLANGE PUMP



PEDESTAL PUMP INCL. LANTERN AND MOTOR

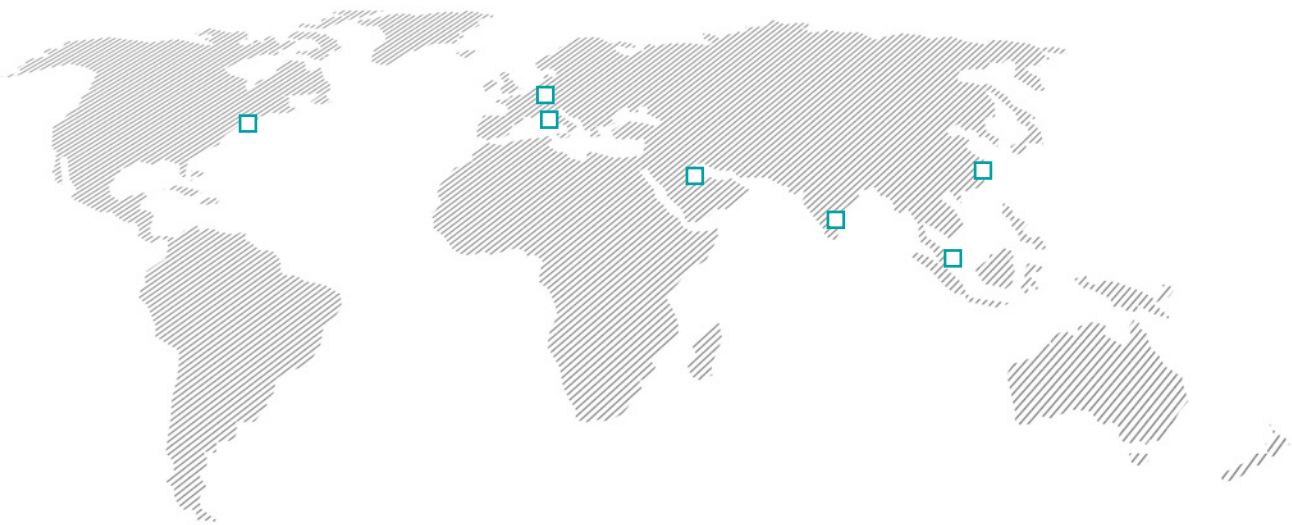
FLEXCORE | A wide range of applications

Made to meet all viscosity requirements, including those of the mechanical engineering, chemical, oil, and naval sectors



FLEXCORE CI	FLEXCORE 25 CI	FLEXCORE 32 CI	FLEXCORE 38 CI	FLEXCORE 45 CI	FLEXCORE 52 CI	FLEXCORE 60 CI
Flow rates	7–50 l/min	15–100 l/min	28–178 l/min	46–295 l/min	75–367 l/min	110–564 l/min
Diameter Ø	140 mm		165 mm		200 mm	
Dimensions w x l	170 x 333 mm		220 x 431 mm		250 x 525 mm	
Weight	16 kg		39 kg		64 kg	

PUMP TECHNOLOGY - AVAILABLE FOR YOU AROUND THE WORLD



HEADQUARTERS

Leistritz Pumpen GmbH
Markgrafenstrasse 36-39
90459 Nuremberg
Germany

P +49 911 4306-9650
E pumps@leistritz.com

SUBSIDIARIES

Leistritz Italia srl
Italy

Leistritz Advanced Technologies Corp.
USA

Leistritz Machinery (Taicang) Co., Ltd.
China

Leistritz SEA Pte. Ltd.
Singapore

Leistritz India Pte Ltd.
India

Leistritz Middle East (FZE)
United Arab Emirates

<https://pumps.leistritz.com>