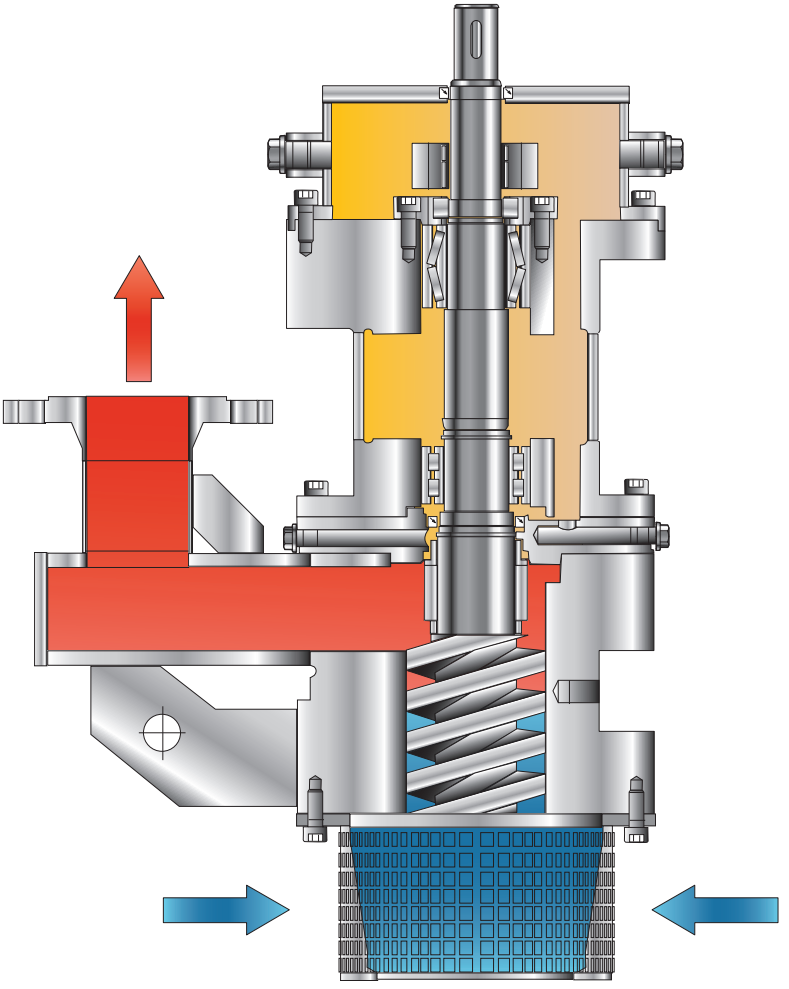
Twin Screw Pump

L4NT

PUMP DESCRIPTION

Leistritz Screw Pumps of the Series L4NT are submerged rotary positive displacement pumps for pumping neutral or corrosive liquids, uncontaminated liquids or liquids with solid content, liquids containing gases and liquids of high and low viscosity.



APPLICATIONS

Oil and Gas Industry: Closed and open drain pump, transfer pumps, circulation pumps, slop pumps and lube oil pumps

Marine Industry: Slop pumps, transfer pumps, circulation pumps, lube oil pumps and unloading pumps

Chemical and Petrochemical Industry: Transfer and circulation pumps for all types of chemicals, metering pumps

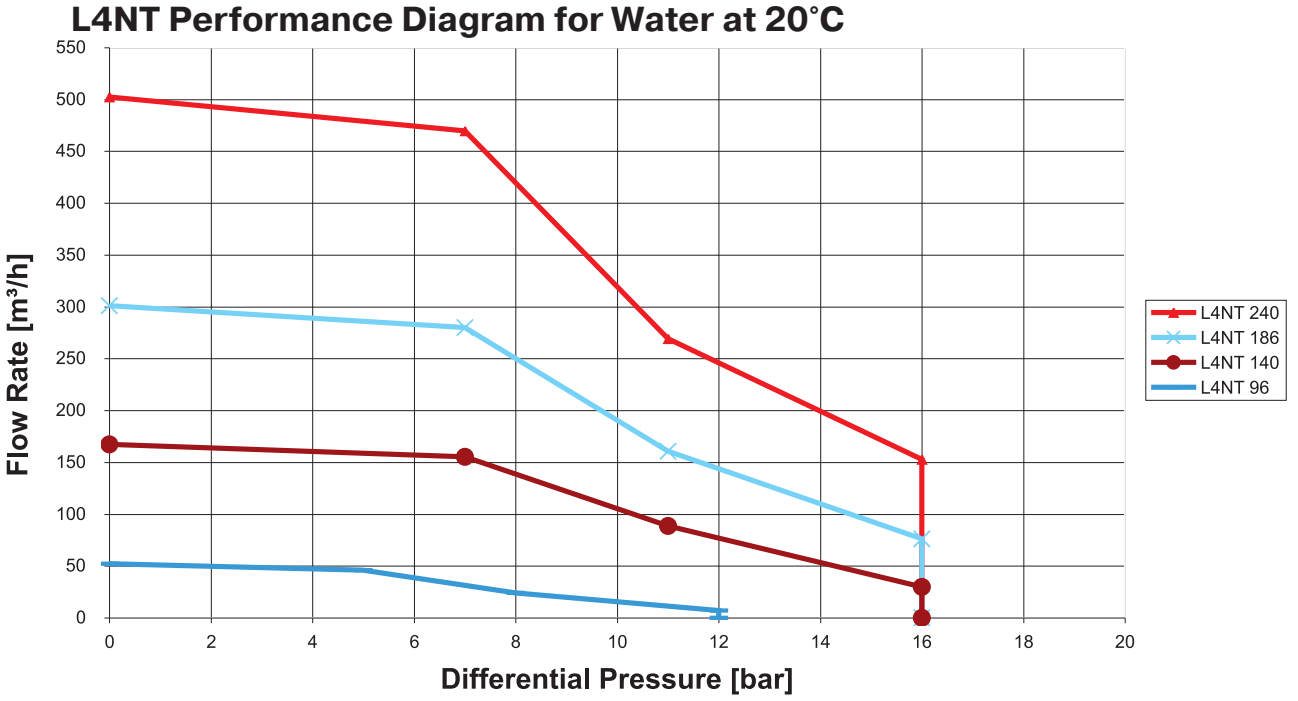
Food Industry: Transfer and circulation pumps for low and high viscous food products, metering pumps

APPLICATION LIMITS

Casing Design Pressure:	20 barg (225 psig) (1)
Maximum Differential Pressure, Pump Size	16 bar (225 psi) (3)
Minimum Suction Pressure	- 0.85 bar (-12.3 psi) (2)
Maximum permissible temperature of liquid pumped	150°C (212°F)
Maximum permissible viscosity	100,000 mPas (3)
Maximum installation depth	10 m (32.8 ft)

(1) Consider permitted pressure for the shaft seal
(2) Depending on the operating conditions, viscosity, pump speed and type of shaft seal
(3) Depending on the liquid pumped, pump speed, pump type and pump size

SIZES AND PERFORMANCE



MATERIALS OF CONSTRUCTION

Pump Casing/Liner:	Carbon Steel ST 37.2 (1.0037)
	Stainless Steel 1.4571
Pump Screws:	16MnCrS5 (1.7139), nitrided
	X5CrNiCuNb16-4 (1.4542), nitrided
Gaskets and O-Rings:	Centellen, NBR or FPM
Mechanical Seals:	Depending on the actual operating conditions

LEISTRITZ PUMPEN GMBH
Markgrafenstraße 29-39 · D - 90459 Nürnberg
Phone: +49 911 / 4306 - 0 · Fax: +49 911 / 4306 - 490 · E-Mail: pumps@leistritz.com
www.leistritz.com

1.2 - 36 e 06/09 1' tü