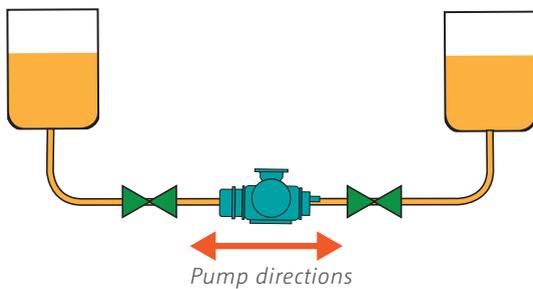


ANTI HEELING PUMP L2NG

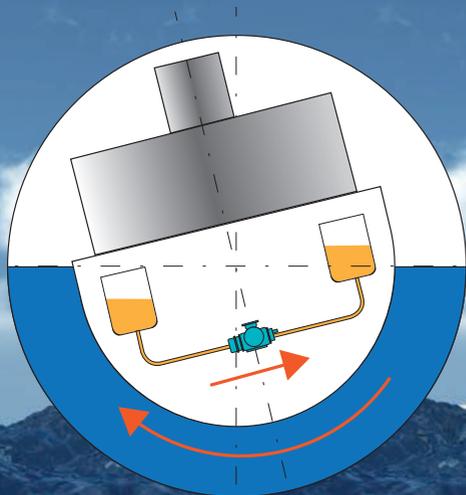
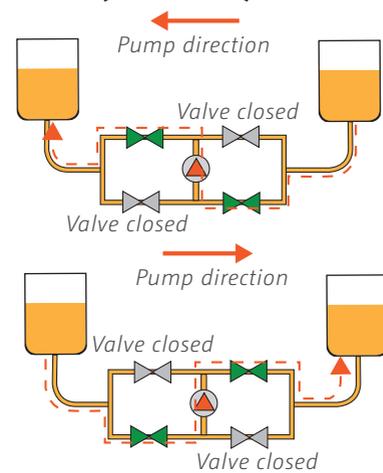
Screw Pumps & Systems

When ships tilt to port or starboard and don't return back to their upright position, it is known as „heeling“ of the vessel. Heeling is unsafe for ship, machineries and people on board. The main reasons for heeling are strong winds, hard and speedy turns and especially uneven cargo loading. Anti Heeling systems correct undesirable movements of ships by transfer of ballast water between the heeling tanks. Leistritz offers a L2NG solution as reversible and seawater resistant pump up to 3 bar and approx. 400 m³/h which can replace the otherwise needed centrifugal pump including the complicated valve periphery as shown in below sketch. Further benefit: high stability of pumped flow rate in connection with speed control.

Reversible Leistritz L2NG Screw Pump (2 valves)

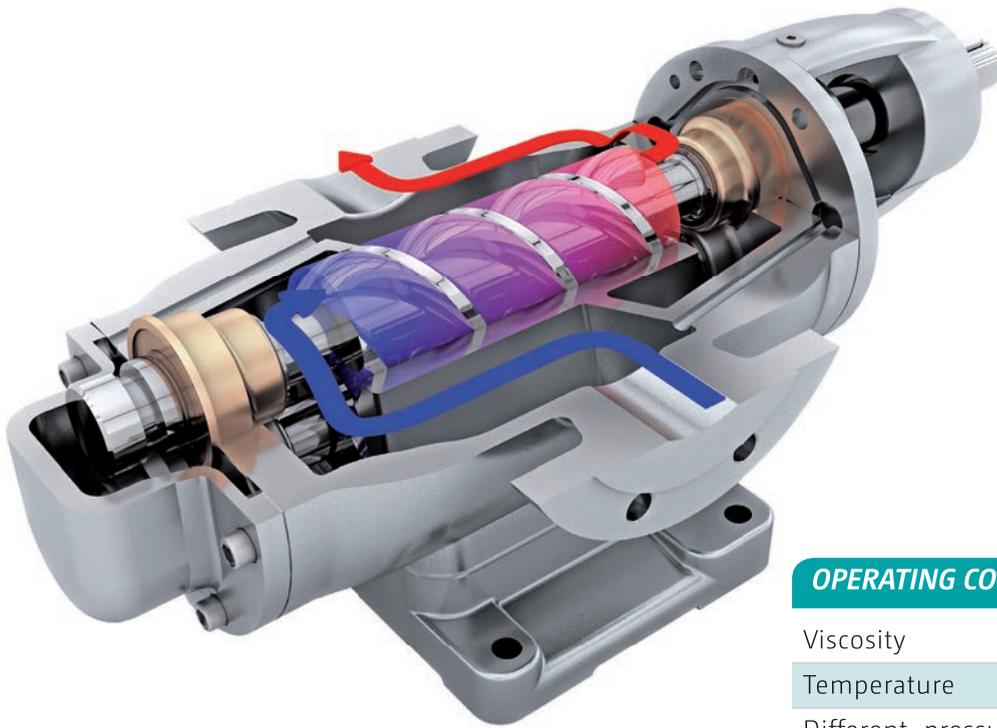


Non reversible Centrifugal Pump (4 valves)



The Anti-Heeling Principle





OPERATING CONDITIONS L2NG

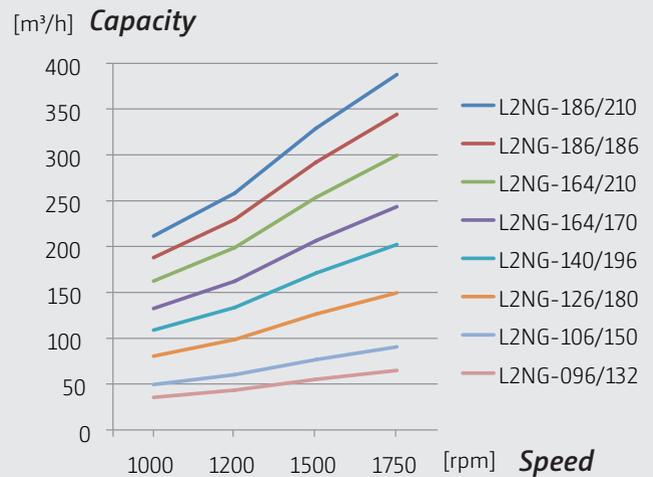
Viscosity	1,2 mm ² /s (seawater @ 15°C/59°F)
Temperature	appr. 0° + 30°C (32° up to 86°F)
Different. pressure	max. 3 bar (43.5 psi)
Flow rate	40 up to 400 m ³ /h (1,761 GPM)

DESIGN CODE

Pump series				Pump size		
Leistritz	No. of spindle-packages:	Pressure range: Low	Design: Casing	OD Spindle:		Pitch:
L	2	N	G	096	/	132
				106	/	140 150
				116	/	164 180
				126	/	180
				140	/	180 196
				164	/	140 170 190 210
				186	/	170 186 200 210



PERFORMANCE CURVES



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