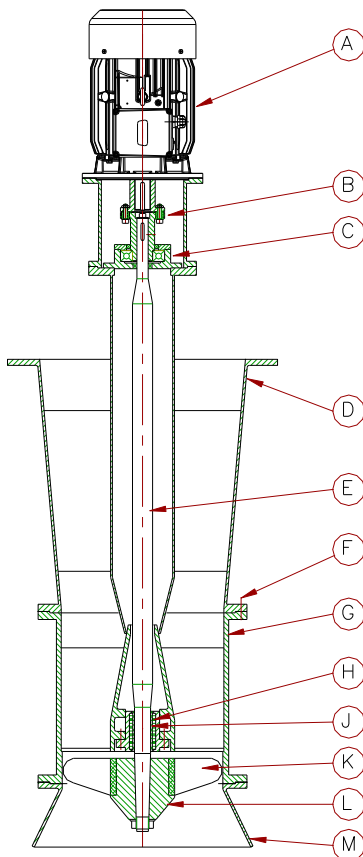


LMPump FRESH
 Vertical Open

Components, materials & treatment

INDUSTRY - FRESH WATER

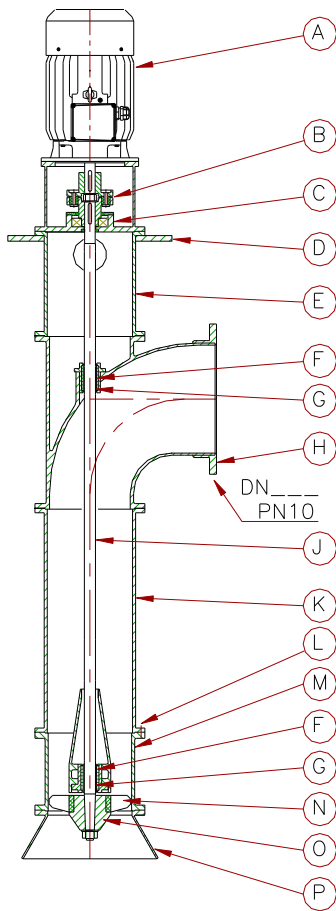

www.lmpumps.com

LMPump FRESH COMPONENTS		STANDARD Option 1	EXTRA Option 2	BRACKISH WATER Salinity 1-15‰ Max temp. 16°C
A	Motor, IE2 Standard Norm	Epoxy coated	Epoxy coated	Epoxy coated
B	LM Flex Coupling	Steel/cast iron Epoxy coated	Steel/cast iron Epoxy coated	Steel/cast iron Epoxy coated
C	Ball Bearing	Steel Lifetime lubricated	Steel Lifetime Lubricated	Steel Lifetime lubricated
D	Open outlet with flange	Steel Galvanized	Steel Epoxy coated	Stainless Steel AISI 316
E	Shaft	Steel CK45	Stainless Steel AISI 316/Duplex	Stainless Steel AISI 316/Duplex
F	Bolt parts	Stainless Steel	Stainless Steel	Stainless Steel
G	Pump Casing	Cast Iron Epoxy coated	Cast Iron Epoxy coated	Cast Iron Epoxy coated
H	Shaft bearing	Rubber Water lubricated	Rubber/carbide Water lubricated	Rubber/carbide Water lubricated
J	Bush for Shaft	Bronze	Stainless Steel AISI 316/Duplex	Stainless steel AISI 316/Duplex
K	Propeller	Bronze	Stainless Steel Duplex	Stainless Steel Duplex
L	Propeller Hub	Cast Iron Epoxy coated	Stainless Steel Duplex	Stainless Steel Duplex
M	Suction Bell	Steel Galvanized	Steel Epoxy coated	Steel Epoxy coated

Epoxy Coating:
Corrosion category C4 – High
Colour code:
Ral 9011 (Colour Gloss 80)
Water lubricated bearings:
Always add water before starting the pump
Maintenance:
We recommend exchange of bearing (C) after 25.000 hour
Ø200 pumps:
Volume 145-400 m³/h and max. head of 4.0 mWc
Ø300 pumps:
Volume 400-900 m³/h and max. head of 5.0 mWc
Ø400 pumps:
Volume 900-1800 m³/h and max. head of 6.0 mWc.
Other sizes:
Contact Lykkegaard engineers for more information
Design options:
Various box- or pipe constructions can be added to the flange of the open outlet.
The shape of the conical outlet is customized in accordance with project requirements.
The length of shaft & shaft casing is extended in accordance with project requirement.
The suction bell can extended with a supporting foot to fix pump at sump floor.
The suction bell can be equipped with an anti-vortec device.
The outlet can be equipped with various types of check valves.

LMPump FRESH
 Vertical Standard

INDUSTRY - FRESH WATER

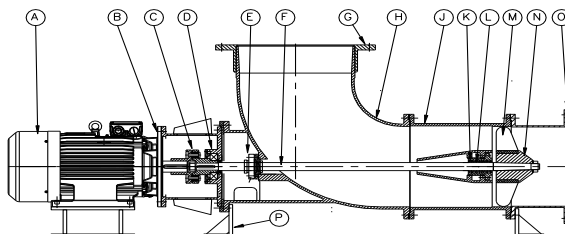


LMPump FRESH COMPONENTS	STANDARD	EXTRA	BRACKISH WATER	
	Option 1	Option 2	Salinity 1-15‰ Max temp. 16°C	
A	Motor, IE2 Standard Norm	Epoxy coated	Epoxy coated	Epoxy coated
B	LM Flex Coupling	Steel/cast iron Epoxy coated	Steel/cast iron Epoxy coated	Steel/cast iron Epoxy coated
C	Ball Bearing	Steel Lifetime lubricated	Steel Lifetime Lubricated	Steel Lifetime lubricated
D	Support plate	Steel Galvanized	Galvanized (-if above water)	Stainless Steel AISI 316
E	Pump body, steel over T-pipe	Steel Galvanized	Steel Epoxy coated	Steel Epoxy coated,
F	Bearing Shaft	Rubber water lubricated	Rubber/carbide water lubricated	Rubber/carbide water lubricated
G	Bush for Shaft	Bronze	Stainless Steel AISI 316/Duplex	Stainless Steel AISI316/Duplex
H	T-Pipe cast iron DN___ PN10	Cast Iron Epoxy coated	Cast Iron Epoxy coated	Cast Iron Epoxy coated
J	Shaft	Steel CK45	Steel AISI 316/Duplex	Stainless steel AISI316/Duplex
K	Pump Body below T-pipe	Steel, Galvanized	Steel Epoxy coated	Steel Epoxy coated
L	Bolt parts	Stainless Steel	Stainless Steel	Stainless Steel
M	Pump House	Cast Iron Epoxy coated	Cast Iron Epoxy coated	Cast iron Epoxy coated
N	Propeller	Bronze	Stainless Steel Duplex	Stainless Steel Duplex
O	Propeller Hub	Cast Iron	Stainless Steel Duplex	Stainless Steel Duplex
P	Suction Bell	Steel Galvanized	Steel Epoxy coated	Steel Epoxy coated

Epoxy Coating:
Colour code:
Water lubricated bearings:
Maintenance:
Ø200 pumps:
Ø300 pumps:
Ø400 pumps:
Other sizes:
Corrosion category C4 – High
Ral 9011 (Colour Gloss 80)
Always add water before starting the pump
We recommend exchange of bearing (C) after 25.000 hour
Volume 145-400 m³/h and max. head of 4.0 mWc
Volume 400-900 m³/h and max. head of 5.0 mWc
Volume 900-1800 m³/h and max. head of 6.0 mWc.
Contact Lykkegaard engineers for more information
Design options:
Suction bell can be equipped with anti-vortex device and can also be extended with a support foot to fix pump at sump floor.
If check valve is needed after the outlet, please look for LM Check Valves.
www.lmpumps.com

LMPump FRESH

Horizontal in-line


INDUSTRY - FRESH WATER

	LMPump FRESH COMPONENTS	STANDARD Option 1	EXTRA Option 2	BRACKISH WATER Salinity 1-15‰ Max temp. 16°C
A	Motor, IE2 Standard Norm	Epoxy coated	Epoxy coated	Epoxy coated
B	Bolt Parts	Stainless Steel	Stainless Steel	Stainless Steel
C	LM Flex Coupling	Steel/cast iron Epoxy coated	Steel/cast iron Epoxy coated	Steel/cast iron Epoxy coated
D	Ball Bearing	Steel Lifetime lubricated	Steel Lifetime Lubricated	Steel Lifetime lubricated
E	Shaft Seal Mechanical	Stainless Steel AISI 316	Stainless Steel AISI 316	Stainless Steel AISI 316
F	Shaft	Steel CK 45	Steel CK 45	Stainless Steel Duplex
G	Flange DN___ PN10	Steel CK 45	Steel CK 45	Stainless Steel AISI 316
H	T-Pipe cast iron	Cast Iron Epoxy coat	Cast Iron Epoxy coated	Cast Iron Epoxy coated
J	Pump Casing	Cast Iron Epoxy coated	Cast Iron Epoxy coated	Cast Iron Epoxy coated
K	Bearing Shaft	Rubber Water lubricated	Rubber/carbide Water lubricated	Rubber/carbide Water lubricated
L	Bush for Shaft	Bronze	Stainless Steel AISI 316/Duplex	Stainless Steel AISI 316/Duplex
M	Propeller	Bronze	Stainless Steel Duplex	Stainless Steel Duplex
N	Propeller Hub	Cast Iron Epoxy coated	Stainless Steel Duplex	Stainless Steel Duplex
O	Flange DN___ PN10	Steel Epoxy coated	Steel Epoxy coated	Steel Epoxy coated
P	Installation Frame	Steel CK 45	Steel CK 45	Stainless steel AISI 316

Epoxy Coating:

Corrosion category C4 – High

Colour code:

Ral 9011 (Colour Gloss 80)

Water lubricated bearings: Always add water before starting the pump

Maintenance:

After 25.000 hours we recommend exchange of bearing (D)

Very suitable for:

Clean fresh water

Ø300 pumps: Min. construction length 206 cm. Volume 400-900 m³/h and max. 5.0 mWc

Ø400 pumps: Min. construction length 253 cm. Volume 900-1800 m³/h and max. 6.0 mWc

Other sizes:

Contact Lykkegaard engineers