

High-Efficiency Vertical in-line centrifugal pumps

DESMI ESL vertical in-line centrifugal pump is designed for special marine and offshore requirements in regard to:

- High efficiency
- Low NPSH
- Compact design
- Easy installation
- Low maintenance costs

50 Hz:	60 Hz:
Pressure range: 2-45 mLC 6,5 - 150 ft	Pressure range: 3-65 mLC 10 - 210 ft
Capacity range: 2-135m ³ /h 9 - 600 US gallon/minute	Capacity range: 2-160m ³ /h 9 - 660 US gallon/minute
Liquid temperature range: With standard mech. shaft seal max. 80 °C - 176 °F. With special mech. shaft seal max. 140 °C - 284 °F.	



Design Features

ESL pumps are single-stage centrifugal pumps equipped with mechanical shaft seal for maximum life and minimum friction loss.

Further the pumps can be fitted with electric motors acc. (IEC 72-1 as standard) with flange dimensions also acc. to DIN 2632/2633 PN 10/PN16 as standard)

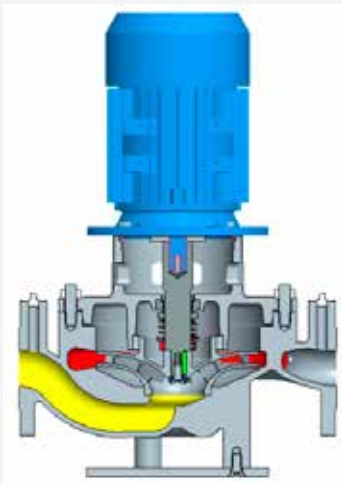
Application areas

- Hot water circulation
- Fresh water circulation
- Refrigeration
- HVAC
- Hydrophore pump
- Cooling water
- The pump can also be equipped with an air-operated ejector priming unit

Material specification

Materials	A	D
Pump casing	Cast Iron	Bronze (RG 5)
Impeller	Bronze (RG 10)	Bronze (RG 10)
Wear ring	Bronze (RG 10)	Bronze (RG 10)
Rear cover	Cast iron	Bronze (RG 5)
Shaft	Duplex St. steel (1.4460)	Duplex St. steel (1.4460)
Shaft seal	Mechanical	Mechanical

The pumps are also available in other materials such as e.g. impeller in ducttile iron and various bronze alloys.



Monobloc without bearings:

The sturdy standard pump for pure liquids where limited space is available.
The rear cover is part of the motor bracket.

Dismantling of rotating parts is possible without removing the pump casing from the piping.

