

PVLN

Vertical in-line centrifugal pumps

DESMI's range of vertical in-line centrifugal pumps represents the latest developments, based on more than 100 years' experience within the pump business.

The PVLN series is for low capacities and heads.

The pumps are characterized by high efficiencies and low NPSH values, and they are installation and service friendly.

Capacity range: 0-85 m ³ /h
Pressure range: 0-45 mLC
Temperature range: With standard mechanical shaft seal max. 80°C With special mechanical shaft seal max. 140°C.



Construction

PVLN pumps are single-stage centrifugal pumps with connecting flanges according to international standards.

Further the pumps can be fitted with electric motors with flange dimensions also according to all international standards.

The pumps have been constructed in such a way that access to all rotating parts takes place without having to remove the pump from the piping.

All pumps are equipped with mechanical shaft seal for maximum life and minimum friction loss. The impellers, of which most are with double curved blades, ensure high efficiencies and low NPSH-values.

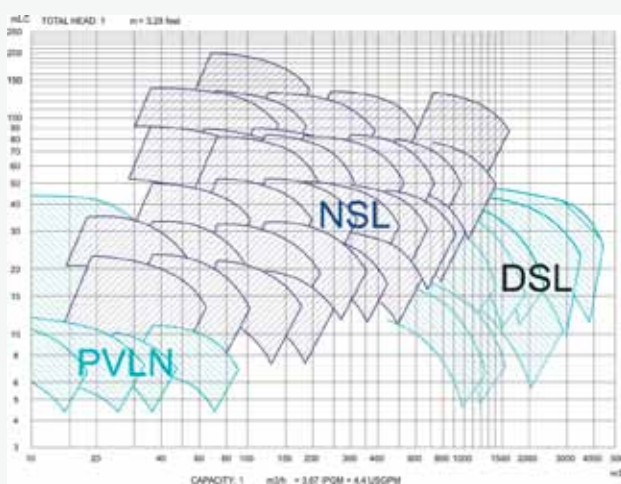
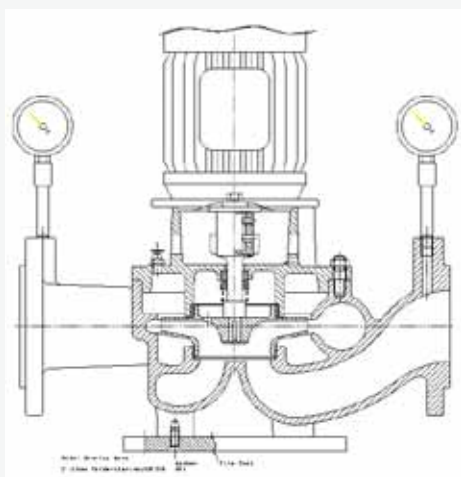
Application areas

- Hot water circulation
- Fresh water circulation
- Refrigeration
- HVAC
- Hydrophore pump
- Cooling water

Material specification

Materials	A	D
Pump casing	Cast Iron	Bronze
Impeller	Bronze	Rg 10-Bronze
Sealing ring	Bronze	Rg 10-Bronze
Rear cover	Cast iron	Bronze
Shaft	St. steel	St. steel
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.