

Vertical in-line centrifugal pumps PVLN



DESMI

PVLN



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 pumps are characterized by high efficiencies and low NPSH values.

The pumps are installation and service friendly, and the PVLN comprises for low capacities and heads.

Capacity range:
0-180 m³/h

Pressure range:
0-50 mLC

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

With the high efficiencies the pumps are particularly suitable for district heating, and the standard range offers solutions for high system pressures and temperatures.

The pumps are also available in materials suitable for the marine industry.

In short, this range is for the demanding, professional customer.

Temperature range

With standard mechanical shaft seal max. 80°C, with special mechanical shaft seal max. 140°C.



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Pump optimization

In order to reduce operating costs it is necessary to evaluate and optimize the pump/control choice compared to the pump's actual operating conditions.

So please contact us for professional consultancy in optimizing variable speed control, i.e. frequency converters, correct choice of materials, foundations etc. An active co-operation with our customers thus guarantees the optimum solution of every single job.

DESMI's supplies often include pumps with matching optimized controls.

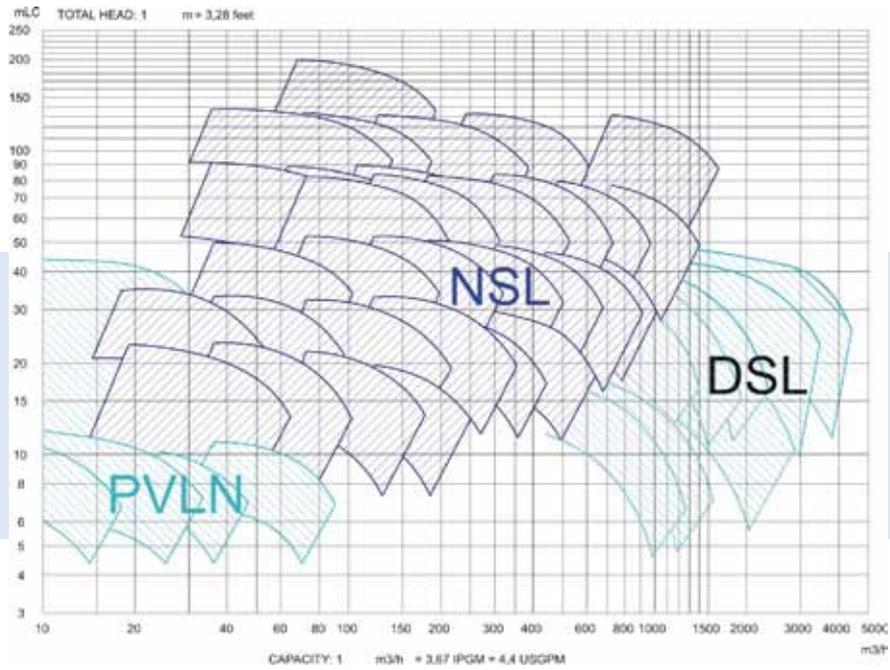


Material specification

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

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



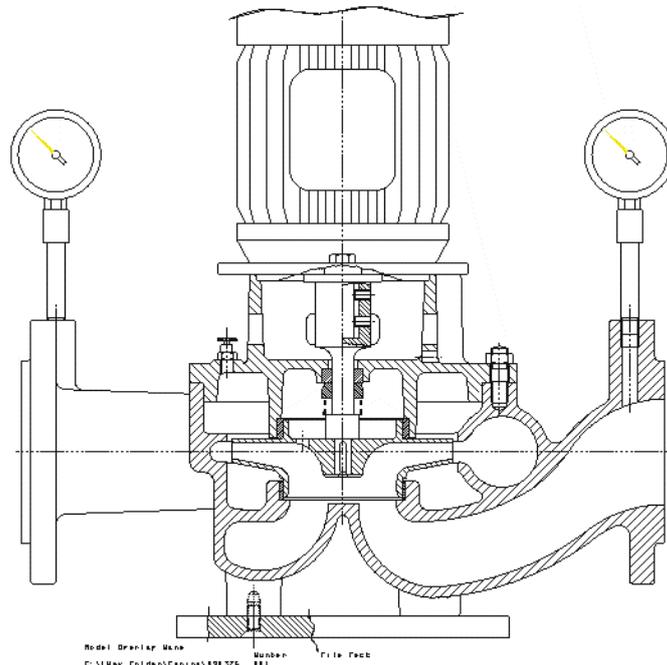


Monobloc without bearings:

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.



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