

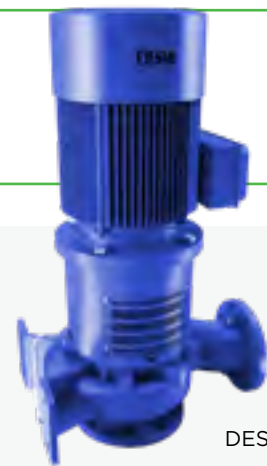
NSLV & NSLH

Vertical (NSLV) & Horizontal (NSLH) End-suction Centrifugal Pump

DESMI has high quality and well established utility/district energy pumps on the market, with focus on high energy efficiency and long life cycle.

The DESMI NSLV & NSLH pump is suitable for water applications (raw, treated, hot or cold) and meets the Utility special industrial market requirements for:

- High efficiency
- Low NPSH values
- Easy installation/service
- Specific materials
- Compact design
- Standardized to modular design
- Outstanding hydraulic design performance
- Spacer-coupling options for easy maintenance
- Robust shaft design
- High efficiency impeller with low NPSH values
- Self-priming ability with a separate built-on priming pump



DESMI NSLV



DESMI NSLH



NSLH/V - End suction centrifugal pump	
Normal Diameter (DN)	65 to 600
Flow rate - 50 Hz	Up to 6200m ³ /h (27300 US gpm)
Flow rate - 60 Hz	Up to 5900m ³ /h (26000 US gpm)
Head	Up to 200 m (660 ft)
Pressure	Up to 25 bar (360 psi)
Temperature	Up to 140°C (284 °F)
Motor	Standard and Ex motor
VFD	Direct or Bulhead/Wall-mounted
ATEX approved	
Some pump sizes are available with inducer for obtaining lower NPSHr. An inducer might give up to 50% NPSHr reduction near best efficiency flow.	
Applications: The pumps are particularly suitable for the pumping of water in connection with cooling systems, cooling of diesel engines, as bilge pumps, ballast pumps, fire pumps, brine pumps, pumps for irrigation, fish farms, water works, district heating, salvage corps, army and navy, etc.	

Design Features

The pump is an end-suction, radially split, single-stage centrifugal pump with connecting flanges according to international standards. The pump is designed for mounting with electric motors having different international flange dimensions.

Standard Material Specifications	
Pump casing	Cast Iron
Impeller	NiAl-Bronze
Sealing ring	NiAl-Bronze
Rear cover	Cast Iron
Shaft	Stainless Steel
Shaft seal	Mechanical

Alternative material combinations are available

and the small types are fitted with lifetime-lubricated bearings. In the larger types the lower bearing is a double bearing for which a lubrication point is provided.

A shaft in stainless steel with mechanical shaft seal of an approved brand is standard.

Alternative materials include:

Cast Iron, Ductile Iron, Bronze, NiAl-Bronze, Stainless Steel, Super Duplex Stainless Steel

The pump casing is equipped with a replaceable sealing ring.

The impeller is made with double-curved blades to ensure low NPSH-values and high efficiency.

The bearing unit is equipped with sturdy ball bearings.

For more information on Utility/District Energy solutions, please visit www.desmi.com

