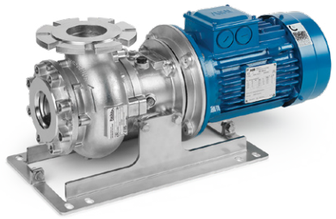
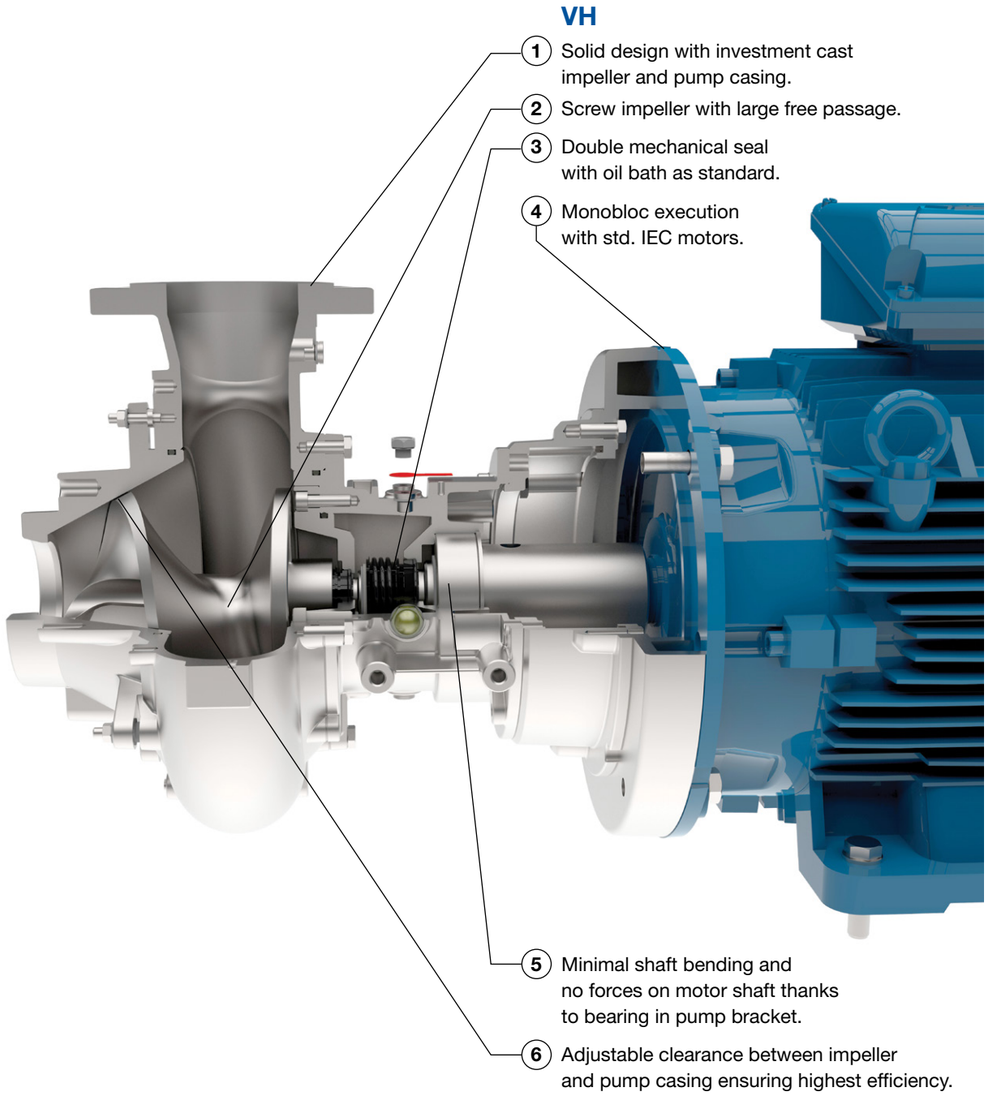
Pump series VH



Characteristics

Verderhus stainless steel screw centrifugal pumps have a large clearance screw impeller, which gently feeds product into the pump chamber. This allows the product to be efficiently transferred into the discharge line and allows for large solids to be easily pumped. The screw design impeller is ideal for high solid contents and viscous liquids. It produces a high efficiency, low NPSHr lowering both energy usage and operational costs, generating a lower overall cost of ownership.



Application areas

VerderHus screw impeller pumps are the ideal solution for the gentle transfer of low to middle viscous liquids (max 3.000cP) that contain solids in all kinds of applications ranging from the food industry (breweries, wineries, fish farms, algae,…) over biomass transfer in the bio energy sector to waste water and manure handling.

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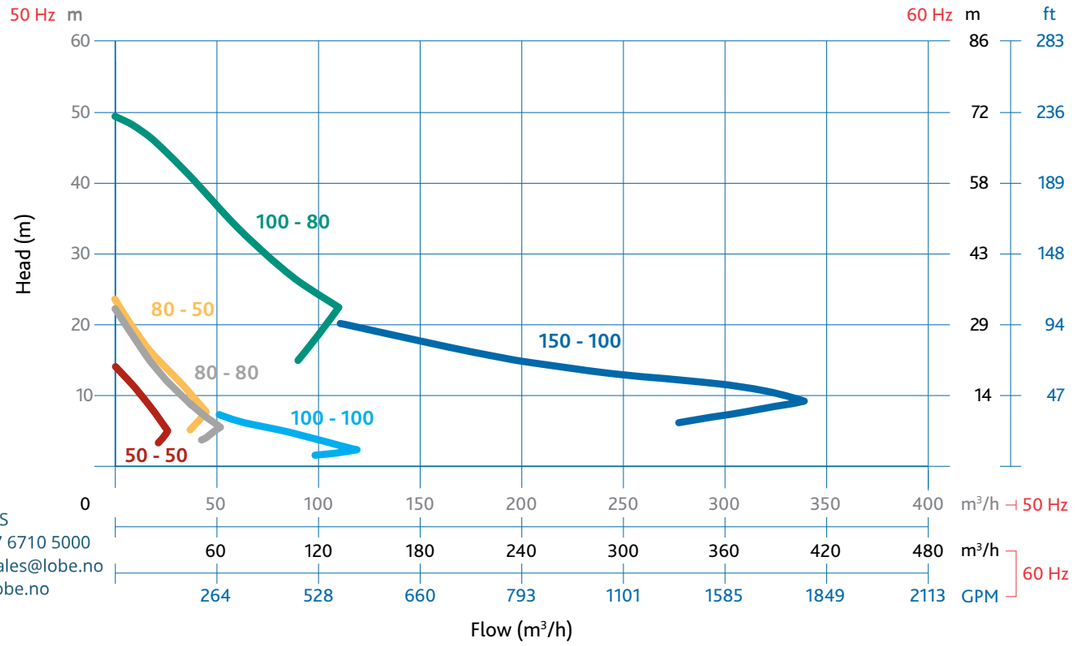
VERDERHUS®

Your benefits

- Large solid handling with <10% sludge, <30% slurry.
- Gentle, low shear pumping, meaning less damage to the fluid.
- Low energy use compared to other technologies.
- Low abrasive wear meaning reduced maintenance costs
- Corrosion resistant stainless steel with standard electro-polish for aggressive chemical handling

Technical Specifications

Pump series	VH
Performances	
Max flow rate	360 m³/h
Max differential head	50 m
Max inlet pressure	3 bar
Max liquid viscosity	3000 cP
Max temperature	140°C
Impeller type	screw impeller
Max free passage	80 mm
Max motor power	22 kW
Max speed	3000 / 3600
Available frequency	50 / 60 Hz
Technical specifications	
Materials wetted parts	stainless steel 316L or duplex
Mechanical seal configuration	double mechanical seal with oil bath
Available material O-ring	FKM
Connections	BSP female, flanges according to EN1092-1/01
Surface finish	industrial, electropolished

Pump curves