



SERO by DESMI

High-Pressure Pump Solution for LPG
& Ammonia

New Green Solutions

A COLLABORATIVE SOLUTION BY

DESMI & **SERO**
Make life flow PumpSystems

Proven high-pressure pump technology and marine excellence

Designed for demanding marine applications, SERO by DESMI combines SERO PumpSystems' expertise in high-pressure side channel pump technology with DESMI's marine engineering experience and global support network.

The result is a reliable and efficient high-pressure pumping solution developed for LPG and ammonia (NH₃) fuel applications, supporting the maritime industry's transition towards cleaner fuels.

Proven high-pressure pump technology - key customer benefits



Reliable high-pressure performance

Proven pump technology designed for demanding operating conditions.



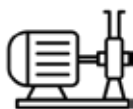
Marine-focused engineering

Designed with vessel integration, operation and service in mind.



Optimised for LPG & ammonia applications

A dedicated solution for alternative fuel supply requirements.



Compact and integrated pump skid

Complete package including pump, coupling, motor, seal and seal instrumentation

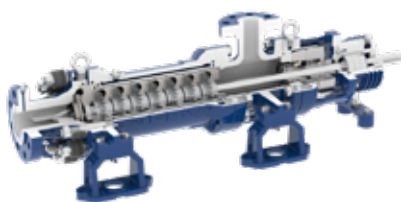


Global lifecycle support

Supported by DESMI and Nordan Marine a DESMI company service organisation worldwide.

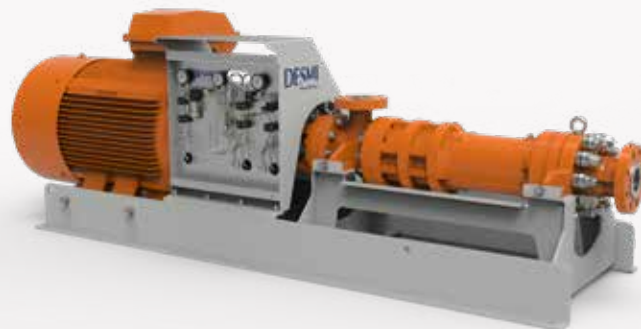


Proven Side Channel Pump Design



SERO Pump Technology – (SHP 110-220)

- High pressure capability
- Low flow / high head performance
- Excellent suction characteristics
- Robust mechanical design
- Proven LPG experience



DESMI skid design advantages

Complete pump package

Pump, coupling, motor, seal and seal instrumentation assembled as one integrated unit.

Optimised layout and installation

Designed for efficient onboard integration with reduced engineering and installation effort.

Marine-adapted design

Developed with focus on vessel requirements, operational reliability and maintainability.

Quality-controlled assembly

Complete package responsibility ensuring compatibility between all components

Operating Data | SHP 110-220

Flow Rates	0,4 to 23 m ³ /h
Heads	Up to 2100 m
Speed	Up to 3600 1/min
Temperature	-60 °C up to +130 °C
Nominal Pressure	100 bar
NPSH	0,2 up to 1,2 m



We exist to keep your business flowing

DESMI works closely with vessel owners, operators, and shipyards to deliver critical flow processes for diverse marine applications. Our pumps and supporting systems for marine applications, are trusted worldwide for dependability and the lowest total cost of ownership.

No matter which flow challenges you are facing, we can help you overcome them with class-leading equipment, solutions, and services designed specifically for your applications and environment, and with factories in China, India, the US, and Denmark, you benefit from our efficient global supply chain. At DESMI, our focus has never been on discovering what we can do – it's about pushing the boundaries of what we can do for you.

Founded in Denmark in 1834, we have provided the expertise, solutions, and aftermarket support our customers need for nearly two centuries. We help you operate more efficiently and reliably, enabling your ambitions for performance, compliance, and growth whilst helping you reduce your climate impact.

Together, we can make a difference, whatever the future holds. Because we, like you, are here to **make life flow**. For more information, visit desmi.com.

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