

Product Datasheet

Omnirise™ HiDi - Seal-Less Multifunctional Subsea Pump

A robust and versatile pumping system

- Pulsation-free **H**igh-pressure **D**iaphragm pump intended for permanent or temporary subsea use
- Predictable, constant (volumetric) flow - independent of system back-pressure
- No mechanical shaft seals - No barrier fluid system - Can run dry & handle particles
- Liquid-filled motor and cooling system, pressure compensated to ambient
- Easily integrated with qualified subsea electric Variable Speed Drive



Applications

- Subsea HPU
- Subsea chemical injection
- Subsea cleaning
- Subsea well intervention
- Subsea sampling & testing

Seawater - Freshwater - Light slurries
Chemicals - Hydrocarbons - High viscosity

Technical Data:

Flowrate	≤ 50 lpm (diaphragm)	Shaft Power & Voltage	20 kW / 400 VAC / 50 or 60Hz
	≤ 15 lpm (piston-diaphragm)	Design depth	0 - 3000 m
Developed pressure	≤ 180 bar (diaphragm)	Max. operating temp	121 °C
	≤ 690 bar (piston-diaphragm)	Control	Optional CM/PM sensors Optional subsea VSD (400 VAC)
Dimensions	910x350x430 mm (diaphragm)	Weight	186 kg (diaphragm)

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We supply the most sustainable, robust and autonomous subsea pump systems for the global oil & gas, renewables and green infrastructure markets.



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