

SUBSEA CIRCULATION PUMP UNIT

PN 200837 DATASHEET



Description

Low power 24V DC subsea circulation pump for various fluids. Configurable flow rate and power consumption. Pump housing is designed for 90 bar internal pressure (compared to external pressure) for circulation of fluids in pressurized systems.

Advanced controller functionality for stand-alone operation with auto start-up or remote pump speed control. Can be easily integrated into subsea control systems by use of RS-485 interface allowing for continuous monitoring and control. Designed to handle blocking of the circulation loop without damage or power overload.

Technical Data

Operational Depth	> 3000 meters
Flow rate	0-12 liter/min Max. flow depending of pump pressure
Working Pressure	0-2 barg (differential pressure inlet/outlet)
Power Consumption	Typical 100W at 10 liter/min and 1.5 bar diff. pressure Configurable maximum power consumption limit
Hydraulic connections	3/4" BSPP Suction ports 3/8" BSPP Outlet
Fluids	Viscosity range 0,3–2000cPs, typically Water/glycol, mineral / water based hydraulic fluids and chemicals Fluid temperature range 0-90°C
Connector	Gisma Series 10, 4 pin Drymate
Dimensions	Ø150 x 520mm
Weight	45kg approximately (Stainless steel, dry weight)
Temperature Rating	Operational: -5 to +40 °C
Communication	RS-485
Voltage Input	24V DC