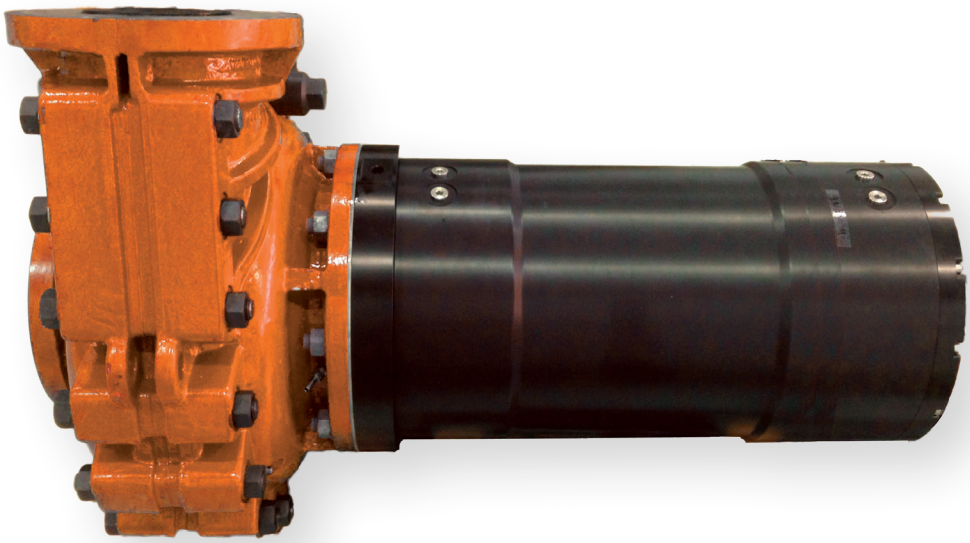
FSUBSEA

Datasheet

Product:	MUDRISE ® ECS MP 6/4 – SUBSEA SLURRY PUMP	Revision:	1



The Mudrise Solution:
Electrically driven ultra heavy-duty slurry pump, optimized for pumping mud with cuttings, sand and other rocks and slurries, beneath the sea level. State-of-the-Art coating system, robust dual slurry mechanical seals, as well as an oversized shaft and bearing assembly, ensure reliability over a variety of operating conditions.

The sealing system has a unique subsea pressure compensated barrier fluid system, automatically ensuring a large constant positive barrier fluid pressure, above ambient pressure and hence above the slurry pressure.

This is possible without the use of a circulation pump or other electronic devices. Designed for simple and cost-effective maintenance by the use of replaceable casing liner and replaceable seal-faces.

Pump system has shown good wear rates both in operation and tests.

All key wearable-parts, including liner, wear plates, impeller and mechanical seal can be removed and replaced from the pump suction side. A tailored coating concept allows some on-site repair by ceramic composites.

The Basics:

Pump design	Close-coupled, radially split, single stage centrifugal	**Power**	< 450 kW < 6600 V
Cooling & Barrier fluid	Internal liquid circulation. High pressure dual seal towards process.	**Weight in air Feature dependent**	1480 - 2030 kg
Flowrate**	600m^3/h or 2640gpm (US)	**Max Particle size**	50 mm or 2”
Developed Head**	< 130 meter or 427 feet (2300 rpm) per stage	**Installation depth**	< 3500 m

** Stated maximum pressure and maximum flow combinations is limited by power available.

The Company:
We provide the most autonomous, cost optimized and robust pumping systems for the global subsea process, unmanned offshore, subsea drilling and deep sea excavation markets. Since 2008, we have supplied more than 40 pumps for various challenging applications in the deep seas.

FSubsea AS
Caspar Storms vei 21, 0664 Oslo
NORWAY

Phone: +47 22 54 20 00
Email: office@fsubsea.com
www.fsubsea.com

FSUBSEA