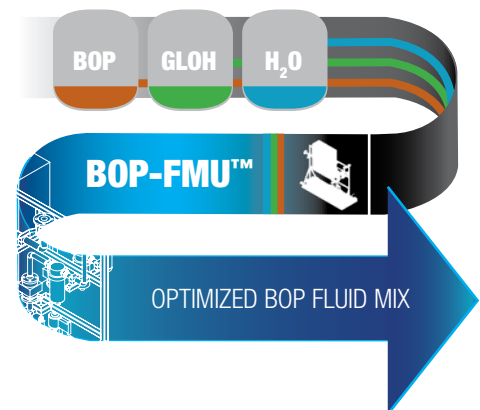


# AMOF FJELL BOP-FMU - BOP FLUID MIXING UNIT

ACCURATE FLUID CONTROL FOR SAFER & MORE RELIABLE  
OPERATION OF THE BOP



Improved BOP Fluid Quality  
3<sup>rd</sup> Generation Technology  
Compact & Customized Design  
All Types/Volumes of BOP Fluids  
Automatic Monitoring & Operation

## Fluid Mixing & Handling

Maintaining stable concentrations of BOP fluids during drilling is crucial to ongoing consistent and successful operation of the in-service BOP fluid.

The AMOF Fjell BOP-FMU is a complete BOP fluid mixing and handling system, designed to improve the quality of mixed fluid on board drilling rigs and to use any type of BOP fluid or volumes.

## CFD Optimized

The system operates via a flow control valve on the existing water inlet that provides a steady water flow to the mixing unit. The BOP Fluid and Glycol sources are managed by water flow and two electrically operated progressive cavity pumps (fitted with proportional gearboxes). The fluids then enter the mix tank via an in-line mixing screw.

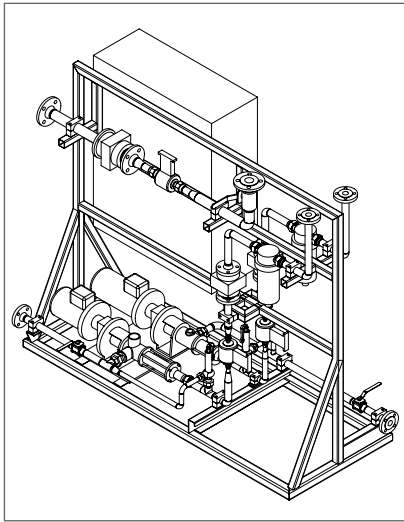
## Fully-Automatic

The AMOF Fjell BOP-FMU incorporates electronic flow meters which facilitate direct in-service monitoring and adjustment of BOP and Glycol concentration levels, using a control system with a graphical display.

Each system can be tailored to rig specifications, to suit any potable water flow rates and available space.

# AMOF FJELL BOP-FMU

## Technical Specifications



<b>Model (2013)</b>	P40190 BOP-FMU™
<b>Unit Size</b>	1.5 x 1.5 x 1.75m
<b>Weight</b>	±500 kg
<b>Interface</b>	Thread / Flange
<b>Material (Main Body)</b>	AISI316
<b>Pump Types</b>	Progressive Cavity
<b>Power</b>	220/440V 60Hz

Example Parameters:

<b>Mix Batch Volume</b>	100l
<b>Water Flow</b>	1000l/h
<b>BOP Stack Magic ECO-F</b>	10% (Max. 15%)
<b>Glycol</b>	10% (Max. 30%)
<b>BOP Mix Tank Receiver</b>	2500l
<b>Hydraulic Oil Tank Source</b>	350l
<b>Glycol Tank Source</b>	2500l
<b>Water Tank Source</b>	230 l/min 4 bar



## Automatic Operation: Summer & Winter

Transmitter (high/low) in mixed fluid tank will activate the system, open the magnetic valve for water and start the pumps for Glycol and BOP-fluid. The pumped volumes will automatically be adjusted in accordance with the prefixed capacity volumes. The volumes may be prefixed based on PLC's or manually operated.

## Benefits

- More Accurate Fluid Control
- Improves Quality of Mixed Fluid
- Designed to Rig Space and Specifications
- Single Module Unit (Skid Optional)

## Features

- Automatic Adjustment of Mixture Levels
- Summer & Winter Setting
- Volume, Pressure & Flow Alarms
- Manual Override Function
- Statistics & Trend Data Display
- All Types of BOP Fluids
- Any Volume of Fluids



A passion for innovation.

AMOF Fjell Process Technology, is a global innovator, with over 40 years of experience, within Process Design and EPCM of HP Phase Separation, Fluid/Mass & Heat Transfer Equipment for the international Biomass and Oil & Gas industries.

[www.amof-fjell.com](http://www.amof-fjell.com)

## SALES & ENQUIRIES

AMOF Fjell Process Technology AS  
Idrettsvegen 103  
5353 Straume, Norway

Njaal R. Soleng, BDM O&G  
Mob: (+47) 452 11 263  
E-mail: [nso@fjelltechnology.com](mailto:nso@fjelltechnology.com)

