

BOP Fluid Conditioning & Monitoring System



Improve BOP Fluid Quality with Cost Effective Conditioning and Real-time Analysis

Don't let fluid contamination shut you down.

The two main causes for fluid problems include contaminated water supply and microbial growth in mixed fluid. Downtime and failure reports indicate several reoccurring problems with these fluids and in order for the subsea and BOP hydraulic components to operate reliably, the mixed fluid must stay clean and provide a minimum level of lubricity.



Key Features

- Filters & Re-circulates mixed BOP fluid
- Compact & Easy to maintain
- Real time pH & Conductivity monitoring
- Duty cycle pump control
- High & Low Alarm lights & outputs
- USB output for Data transfer
- Graphing & Trending analysis
- Delta "P" gauges on filters

BOP Mixed fluid is subject to contamination from particles, chemicals and microbial growth. The Subsea Company's system recirculates the mixed fluid through a 5 micron filter, exposes the fluid to UV light then passes the fluid through a 1 micron filter. The conditioned fluid's pH and conductivity are then measured providing indications of the BOP mixed fluid quality for event identification and trending analysis.

The data logger triggers high & low alarm lights and records the information for download onto a USB drive or real time interface with a computer. Graphs for trending and event identification can be displayed on the front panel.



Standard Product Selection Guide

Part Number	Description
TSC-02029	BOP Fluid Conditioning & Monitoring System

- 5 Micron Pre-filter
- UV Light and Controlled Flow Chamber
- 1 Micron Post Exposure Filter
- Flow Rate: 15 gpm
- 220 Volt, Single Phase 50/60 hz

TSC-02029-SK	Spare Part Kit – Includes Following	Quantity
SE-0698	25/1 Micron X20 Inch Dual Gradient Filter	1
SE-0697	50/5 Micron X20 Inch Dual Gradient Filter	1
SE-0972	Calibration Kit, Premixed 4000 NTU Formazin – Includes SE-0972 (-1,-2 & -3)	1
SE-0972-1	Buffer Solution, pH 4.01, 16 oz – Included in SE-0972	1
SE-0972-2	Buffer Solution, pH 6.86, 16 oz – Included in SE-0972	1
SE-0972-3	Buffer Solution, pH 9.18, 16 oz – Included in SE-0972	1
SE-1210	Fuse, Time Lag, 30A, Class CC, 600/300 VAC/VDC	2
SE-1288	Fuse, 5 X 20 mm Cartridge, 5 Amps, 250 Vac Fast Acting	2
TSC-02029-RK	Repair Kit – Includes TSC-02029-SK & Following	Quantity
SE-1318	Lamp, UV, 80 Watts, For SC-740 UV System	1
SE-1319	Sleeve, Quartz Replacement Tube, UV Lamp, SC-740	1
SE-0837	Sensor, pH/ORP, Sensor pH-Tuph Variopool Connector (396PVP)	1
SE-0813	Hose, Braided, PVC, Food Grade, 1-1/2" Heavy Duty	96"
SE-0815	Clamp, Hose, Worm Gear, SAE 28, 1-1/2" Band, 316 SS	6
SE-1217	Tubing, Braided, Clear, 3/4" Od X 1/2" Id, PVC	120"
SE-0924	Clamp, Hose, 7/8", SS	5
SE-0871	Tubing, 1/4" OD, Polypropylene, Clear	40'
SE-0832	Gauge, Differential, 3G Meter Mount, Filter Cond.	1
SE-1320	O-Ring, Seal, Quartz Sleeve Replacement Tube, UV Lamp, SC-740	2

For more information, please visit www.thesubsea.com.



Innovating Tomorrow's Standards

Raising the bar with innovative solutions worth sharing, The Subsea Company has significant experience in developing equipment to minimize risk, solve downtime issues and improve subsea operations and safety.

Our mission is to develop, manufacture and provide reliable market driven subsea products, equipment, and systems used in the offshore drilling and production industry. We strive to help our customers become successful by delivering customized solutions, when they need it the most.