

FET Electrofluid Processing Unit (EPU)

Designed for high-level oil cleanliness and moisture removal in critical ROV systems, FET's Electrofluid Processing Station has been developed in partnership with MP Filtri to deliver advanced flushing, filtration, and conditioning for oil-filled electrical enclosures and electric thrusters.

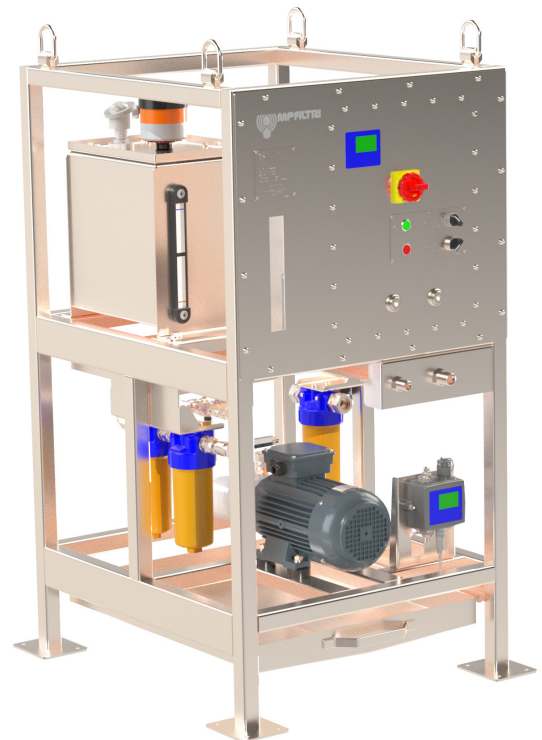
The EPU removes particulate contamination and moisture from low-volume oil circuits, restoring fluid to optimal condition and extending oil life. Integrated condition monitoring provides real-time insight into oil cleanliness and water content, enabling proactive maintenance and reducing the risk of electrical failure.

Key Benefits

- Removes moisture and contamination to ultra-high cleanliness levels
- Affords a proactive approach to oil maintenance, reduces risk of contaminated oil
- Reconditions oil to significantly reduce waste

Key Features

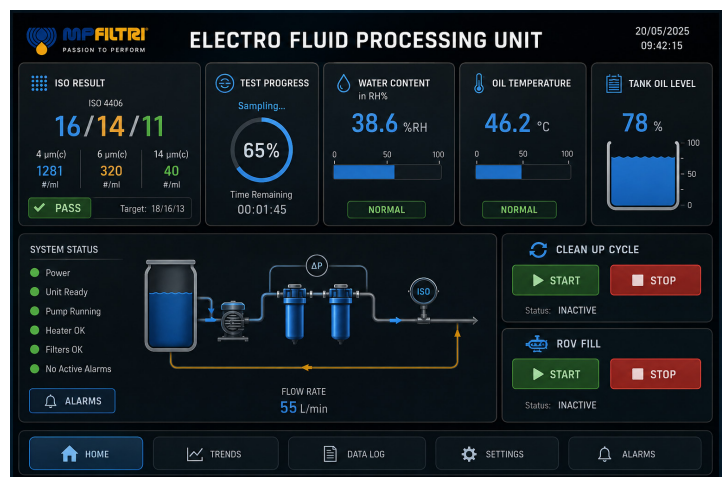
- Specifically designed for FET ROV junction boxes and DC thrusters
- 20 Litre tank (extra storage tank also available).
- 10 L/min Flow rate / 10 bar
- ICM 2.0 inline contamination monitor
- Direct connection to ICM 2.0 via front panel remote display
- Rugged Stainless steel 316 frame with all stainless fittings
- Vacuum and clogging indicators
- All models include external barrel kit. Hose not included.



Control

Touch screen control panel provides status and live reporting, including the following:

- Water content
- Oil temp
- Tank oil level
- System status
- Trends and data logger
- Test progress
- ISO results
- Blue tooth connectivity + wifi



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Technology	LED-based portable light extinction particle analyser
Particle Sizing	>4, 6, 14, 21, 25, 38, 50, 70 µm(c)
Reporting formats	ISO 4406 NAS 1638; SO 11218 AS4059 Rev E & G, Table 1 AS4059 Rev E & G Table 2 GBT14039 GJB420B; GOST 17216
Accuracy	± ½ code for 4,6,14µm(c) ±1 code for 21, 25, 38, 50, 70 µm ±3°C (± 5.4°F) ±3%RH
Calibration	Each unit individually calibrated with ISO Medium Test Dust (MTD) based on ISO 11171, on equipment certified by I.F.T.S. ISO 11943
Viscosity Range	≤ 400 cSt
Fluid Temperature	-25°C (-13°F) to +80°C (+176°F) - viscosity dependent
Ambient Temperature	Min: -10°C (14°F) Max: +80°C (176°F)
Pressure min	2 Bar (29 psi)
Pressure max	420 Bar (6091 psi)
Fluid compatibility	Mineral oil, subsea fluids
Environmental Protection	IP 66 TBC IP54 TBC
Dimensions	Base unit: TBC
Electrical Supply	18-19V DC 110V (pump)



ICM 2.0

Inline Contamination Monitor



Elixir

High-performance filtration

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The specification details are illustrative and are for marketing purposes only. Actual equipment may be different as a result of product improvement or other reasons. Specific interface and performance information should be reconfirmed at time of order placement.

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