

MYCELX Extended Life Oil Removing Bag Filter (ELOR) - Patented MYCELX Oil Removal Technology

Key Benefits of MYCELX ELOR:

- > Gross and fine oil and solids removal from water
- > Permanent immobilization of the oil in the MYCELX media.
- > The media is delivered in a standard bag filter package, with a large format MYCELX oil removal core insert, to make a standard solids bag filter a powerful oil removal filter.
- > Spent oily cartridge holds less than 1% water; therefore saturated cartridge has high BTU residual fuel value due to high oil content and very low water content.
- > Typical flow capacities of MYCELX ELOR media based systems:
20gpm - 50 gpm (per P2 bag)

Operating Features of ELOR Media:

- > Felt bags; P2/P3 Style filled bag filter
- > Operating pH range: 3 – 11
- > Maximum operating temperature: 160F
- > Minimum operating pressure required: 5-15psi, maximum DP of 25 psi
- > Particle pre-filtration not necessary
- > Available in 100, 50, 25, 5 and 1 micron ratings



Operational Characteristics of MYCELX ELOR Media Based Units:

	MYCELX ELOR
Mechanism of oil removal	Instant, permanent and complete oil removal upon contact. True and Broad phase affinity. No desorption. Required contact time for oil removal: < 1 sec
Required Flow rate/Surface area for oil removal (gpm/sq.ft SA)	20-40
Robustness to handle varying oil loading	Effectively handles high to low oil loading even in the presence of high solids
Oil Removal Capacity	7-10 lbs
Ability to handle mixed oily water streams	Yes. Instant and permanent removal
Oil Removal Effectiveness	>90% oil removal efficiency to 1 micron oil droplet sizes
Fouling tendency with heavy oil and solids loading	No.