Specifications

Removal Capabilities:

Up to 1,000 ppm inlet and 5-50 ppm outlet

Solids Handling Capabilities: Removal to 2 microns

Single Vessel Flow Rate: Up to 1,000 GPM/ 38,000 BPD Max

Media Life:
Designed to last
12-24 months
depending upon
application

Applications:

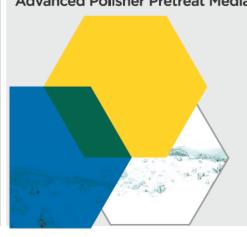
- Onshore
- Offshore
- High Solids Removal

Level of
Maintenance
Required:
Backwash cycle
is fifteen to
twenty minutes
with frequency
dependent upon
inlet loading
conditions.
Operator
controlled or
automated units.



MEDIA USED WITHIN THE RE-GEN

RE-GEN Advanced Polisher Pretreat Media



MYCELX Patent Pending RE-GEN Media

The RE-GEN media polymer provides a weaker affinity for the oil, which can be released by the force of the backwash and pushes the droplets towards the top of the RE-GEN unit. The backwash removes oil by reversing the flow direction upwards, loosening the packed media and releasing both solids and oil droplets from the media.

MYCELX RE-GEN Unit

The secondary treatment, MYCELX RE-GEN, was designed to optimize the efficiency of the MYCELX Polishers through the use of a proprietary back washable media. For produced and process water applications, it provides an economically viable treatment option to remove oil and oily coated and suspended solids down to 2 microns.

MYCELX RE-GEN	Walnut Shell / Multi-Media
Oil and particle removal to 2 microns	Oil and particle removal to 10+ microns
Removes free, dispersed and fractions of emulsified oils	Removes free oil and some dispersed oil
Handles 50 - 1,000 ppm	Cannot handle fluctuations in oil loading



Insulated RE-GEN Unit Left: Front View Right: Back View







Key Benefits

Removes oil, solids and oily coated solids in a single step.
Ability to perform even with viscosity modifiers.
Regenerable with long life cycle provides low operating cost.
1,000 gpm per vessel unless you do multiple trains or horizontal design.