



MYCELX Advanced Coalescer (MAC)

MYCELX Equipment

Specifications

Removal Capabilities:
Up to 10,000 ppm inlet and 100-200 outlet

Flow Rate:
2 - 500 gpm (17,000 bpd)

- Applications:*
- Onshore
 - Offshore
 - Low Flow Rate
 - High Oil Inlet



Framed MAC and Polisher

MEDIA USED WITHIN THE MAC



Media Packs infused with MYCELX polymer allows for higher single pass removal efficiency.

Oil mixed with water enters the bottom of the coalescer and moves in an upward flow at controlled velocity through a primary coalescing pack. Oil droplets are intercepted on the surface and join to form larger droplets that settle in the head of the vessel.

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The MYCELX Advanced Coalescer primary treatment system is a vertical pressure vessel that is fed from the production treatment train by existing pressure source. The MAC incorporates the proprietary MYCELX media to deliver superior coalescing and oil recovery when compared to conventional API/CPI Separators. The addition of the MYCELX media coalescing packs greatly enhances the separation and potential for oil recovery.

MYCELX Advanced Coalescer	Standard API/CPI Separator
Oil Removal to less than 25 microns	Oil removal only when oil droplets are greater than 100 microns for CPI and 150-200 microns for API
Removes free, dispersed and some emulsified oils	Removes only free oils
Four-stage coalescing	1 or 2 stage coalescing
Handles up to 10,000 ppm influent	Handles only up to 3,000 ppm – CPI Handles up to 300 ppm – Float Cell



MAC and Polisher Skids



Absorbs Oil Without Absorbing Water



Key Benefits

High Oil Concentrations of up to 10,000 ppm
Sludge chamber can settle out large particulates.

Any gallon per minute rate.

Perfect for upstream applications at the free water knockout outlet where there are a lot of fluctuations and sludges.

System size is calculated by retention time over flow.