

# ANGLER® CFM

Compressible Media Filter



# CETCO

ENERGY SERVICES

A Minerals Technologies Company

## CLEAR SOLUTIONS

for complex fluids

ANGLER® Compressible Media Filter CMF, is a solids filtration technology that is comprised of compressible media. An automated self-cleaning and compact unit (15,000 bpd nom. – 25,000 bpd max.), it utilizes a depth filtration technique to provide higher contaminate loading along with higher flux rates compared to the average filtration technologies. Unlike conventional solids filtration, the porosity of the ANGLER® CMF media can be adjusted on location to achieve optimal filter performance.

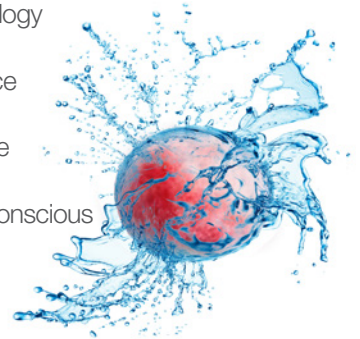
## ABOUT US

**CETCO ENERGY SERVICES (CETCO)**, the trusted partner and complex fluid experts equipped and ready to solve your fluid challenges; delivering clear and proven results by increasing operator efficiency, reducing downtime, and maximizing output while safely protecting the environment.

**16 WORLDWIDE  
LOCATIONS  
≥10 COUNTRIES**  
\*Headquarters Houston, TX

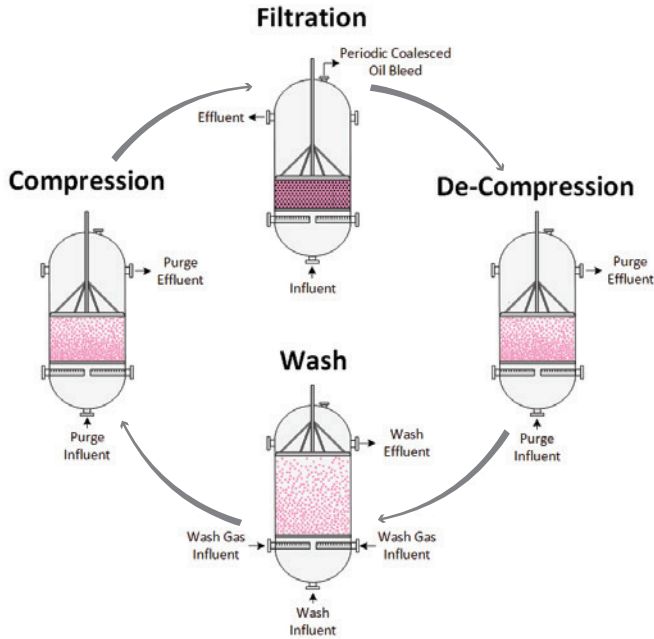
## OUR EXPERTISE

- ✓ Advanced Technology
- ✓ Safety Performance
- ✓ Globally Innovative
- ✓ Environmentally Conscious



## ANGLER® CMF

### Compressible Media Filter



The feed fluid enters the bottom of each vessel, where it is filtered upwards through a compressible media bed. Solids are captured in the media pore space while simultaneously discharging clean fluid above the media bed. The hydrocarbon phase that coalesces through the media accumulates at the top of the vessel, where it can be periodically removed to a designated location via an oil discharge nozzle.

#### Features & Benefits

- Automated and self-cleaning
- Small footprint
- High flux rate
- Low wash volumes
- Filters produced water four times faster than conventional methods
- Provides a range of permeability and porosity under different compression ratios
- Rental Unit 15,000 bpd nom. - 25,000 bpd max

Once a predetermined differential pressure across the bed is detected, a wash process is automatically initiated. This process can utilize the forward feed fluid or any other water source and a gas source to clean the media of solids and oils that are captured during the filtering process. This system continues processing the entire flow of the system while a wash event is occurring, without interruption to the effluent flowrate from the system.



*At nominal filtration velocity, ANGLER® CMF has an expected removal efficiency of 80–90% of particles sized 4–5 microns. A 90% or higher efficiency has been achieved with a larger mean particle size range and further optimization.*

