



Water Treatment Services



Greene's
Energy Group™





Gas Buster - Integrated Closed-Loop System

36" High rate vessel

Liquid rate: 10 barrels per minute with 10 lbs fluid

Gas rate: 3,360 ft/hr @ 3 ft/sec velocity-atmospheric

ASME Coded 150 lbs

36" Gas buster for 120 barrel tank

5'-8" L x 4' W x 10' H

Dry weight: 3,500 lbs

Wet weight: 4,380 lbs

24" Gas buster for 85 barrel tank

4' L x 4' W x 10' H

Dry weight: 2,500 lbs

Wet weight: 3,160 lbs



Separation Tank

120 Barrel tank

17' L x 8'-6" W x 9' H

Dry weight: 13,000 lbs

Wet weight: 33,264 lbs

10 Barrels per minute flow rate capability

4-Compartment

Oil bucket with 4 adjustable weirs

85 Barrel Tank

14' L x 8' W x 9' H

Dry weight: 9,500 lbs

Wet weight: 25,872 lbs



Pressurized Separation Tank (125 psi)-Patented

85 Barrel tank

17' L x 8'-6" W x 9' H

Dry weight: 18,000 lbs

Wet weight 49,416 lbs

6-8 Barrels per minute flow rate capability

3 - Compartment

Oil bucket with 3 adjustable weirs



Pressurized Sand Separator (40 psi)-Patented

85 Barrel tank

17' L x 8'-6" W x 9' H

Dry weight: 20,000 lbs

Wet weight: 51,416 lbs

6-8 Barrels per minute flow rate capability

3 - compartment

Oil bucket with 3 adjustable weirs

H₂S Certified

Operating pressure: 40 psi

Sight glass for each compartment

Level indicator/BBL marker

Oil bucket clean out

Level safety high and level safety low alarms

Level switch pump on/off

4" PSV Gas outlet

2" 1502 Inlet to internal horizontal gas buster

2" FIG 100 Oil outlet

4" FIG 100 Clean water outlet

2" 1502 Gun line

Due to governmental regulations and increased coverage by the media, more emphasis is now being placed on cleanup of operations within the energy industry. Whether it be drilling, exploration, production and even downstream operations, the technology of Greene's Water Treatment Services is precisely engineered for the removal of solids, toxic materials, hydrocarbons and other pollutants which are generated during various operations.



More Efficient Water Treatment Solutions

Whether onshore or offshore, Greene's Energy Water Treatment Services delivers the latest in diverse and innovative wastewater treatment and liquids processing for all of your E&P, pipeline, or refining operations. Equally as important, our state-of-the-art transportable fleet of equipment lets us deliver ideal liquid handling solutions to even the most remote locations.

Focus on Safety

At Greene's, safety is our first priority. Experience, knowledge, responsiveness and attention to safety have made Greene's Energy Group an industry leader. This mission guides the company's growth and expansion plans for all of its energy service businesses. Protecting the health and safety of our people and the public, preserving the environment and preventing damage to property are paramount.

Water Treatment Services

What Are The Advantages of Using Greene's Water Treatment Services?

- A variety of advanced, state-of-the-art water treatment services
- Highly trained, experienced personnel
- Inventive water treatment technologies
- Mobile, transportable equipment available 24/7
- Less piping and equipment provides for a cleaner work area
- Cost-efficient

Applications

- Well stimulations
- Acid flowbacks
- Pipeline flushing, cleaning & testing
- Completion brine treatment
- Produced water treatment/polishing
- Production well testing (3 phase separation & water treatment)
- Frac fluid treatment for reuse
- Hydrate remediation (fluids management)
- Deck drainage treatment/polishing



You Require. We Respond.

Case Histories - Water Treatment Applications



Environmental Compliance

Customer had a problem with high levels of Total Organic Carbon (TOCs) in their pipeline hydrotest water and were not able to discharge due to not being in compliance with their permit. Greene's was able to use the Hydracyclone Ozone Treatment system in conjunction with land-based filtration trailers to destroy the TOCs present in the water, which allowed for filtration and discharge of the water, saving the customer a considerable sum versus having to haul off and dispose of the water.



Deepwater Pipeline Pre-Commissioning

Offshore customer had a well that was producing a large amount of paraffin and solids, overwhelming their treatment system. Customer tried using two of Greene's major competitors, neither of which were able to handle the problem. Customer turned to Greene's; we were able to achieve success in this job where our competitors had failed using the dedication and experience of our management and crew, advanced technology and outside of the box problem solving.



Pipeline Integrity Testing

Customer required flow rates of 42-44 BPM in order to push a smart tool through 21 miles of 16" pipeline. The job took place on a barge in the inland swamps of the Louisiana coast. Greene's Water Treatment Service was able to customize an equipment package that included both land-based trailer units and offshore skids to achieve the required flow rate.



Linear Flow Bulk Media Skid (LFV)

7' L x 8'-6" W x 8' H

3 Removable canisters per vessel

Dry weight: 14,000 lbs

Wet weight: 14,720 lbs

ASME 150 Rated

Flow rates 1-3 barrels per minute



Dual Bed Media Skid (BMV)

4' L x 8' W x 10' H

Dry weight: 8,500 lbs

Wet weight: 10,270 lbs

ASME 150 Rated

Flow rates: 1-3 barrels per minute



The Reclaimer

500 Gallons per minute (10-12 barrels per minute)

Customizable flow rates

Reduced transportation cost: single trailer

Time saving fully self-contained process: generator & light system

Requires no outside support for rig-up/down (no lifting cranes)

Quiet (low db) generator & electric pumps

Parallel flow or series flow capabilities



Mini Reclaimer

250 Gallons per minute (5-6 barrels per minute)

Filter media efficient: linear bulk flow technology

Diversity of water treatment capabilities

Capable of operation w/multiple medias

Parallel flow or series flow

Can be chained together to increase flow rate in small footprint areas

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A leading provider of integrated testing, rentals and specialty services, Greene's Energy Group offers tools and services to improve productivity onshore and offshore.

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