

Efficient Recycling of Flow Back and Produced Water - Made Simple by Design



 **RECYCLEAN**
HYDRO-POD FRAC BACK TECHNOLOGY
A Division of Themark Corporation

Simple to Operate Compact Design Low Energy Consumption Efficient Removal of Organics, Metals & More

Even small declines in energy prices can impact the profitability of exploration and production operations. Now, more than ever, companies must look to streamline their operations. With so much new technology flooding the industry, they must evaluate these technologies based on performance and ROI.

The Hydro-Pod is the only technology that addresses 10+ impurities in one treatment to mitigate the risks associated with reusing produced water.

Real-time operation and test data have shown that the Hydro-Pod can reduce up to 25,000 mg/L of TDS, and is the only known technology that can reduce boron 20% or more - without additional specialty treatments. Processing at up to 2.5 to 3 BPM, units can be run in parallel to meet daily requirements and can serve as a centralized processing facility to service multiple well locations. Its ease-of-operation and low-maintenance costs make the Hydro-Pod the system of choice for many operators



Hydro-Pod Technology – Reduce and Reuse

Frac flow back and produced waters recycled using Hydro-Pod technology are turned from a disposal water into a readily-available supply of water suitable for reuse in fracking operations. This can dramatically reduce the need for fresh water, and the infrastructure required to transport it. It can provide huge savings on trucking expense. Additionally, it can reduce disposal costs and alleviate environmental concerns.

Recycling frac flow back and produced waters makes sense any way you look at it.

- Provides a re-usable and sustainable supply of water
- Can lower overall operating costs
- Reduces emissions / carbon footprint from truck traffic
- Reduces environmental / regulatory concerns

The Hydro-Pod is designed around mature technology using 30+ years of hydro-frac experience. The Hydro-Pod employs a unique combination of ozone and electrocoagulation technologies and treats 10+ areas of concern:

- | | | |
|---------------------|--------------|--------------------|
| 1. Organics | 5. Iron | 9. Bicarbonate |
| 2. H ₂ S | 6. Sulfate | 10. Chloride |
| 3. Barium | 7. Phosphate | 11. Bromide |
| 4. Boron | 8. Carbonate | 12. Spent Polymers |

This mobile technology can be located at well sites or at a centralized location to serve multiple wells, or can prolong the life of existing disposal wells. What was once a disposal waste can be turned into a reusable and/or saleable commodity.

- Simple by Design
- Small footprint
- Significantly reduces water acquisition and disposal costs / requirements
- Greater energy efficiency compared to other methods
- 2.5 to 3 BPM / Scalable to meet requirements

Call today for more information on the Hydro-Pod technology and how it can help protect a valuable resource while adding value to your bottom line.



The Hydro-Pod Treats 10+ Areas of Concern

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6. Sulfate
7. Phosphate
8. Carbonate
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10. Chloride
11. Bromide
12. Spent Polymers



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