



Brine-Tolerant Polymers for Frac Recycle Operations

Water shortages and environmental commitments have accentuated the need for creative water treatment solutions in the oil and gas industry, particularly in hydraulic fracturing applications. Driven by this urgent demand, ChemTreat has developed a suite of highly concentrated, brine-tolerant flocculating polymers to enable the use of cleaner brine for floc polymer makedown.



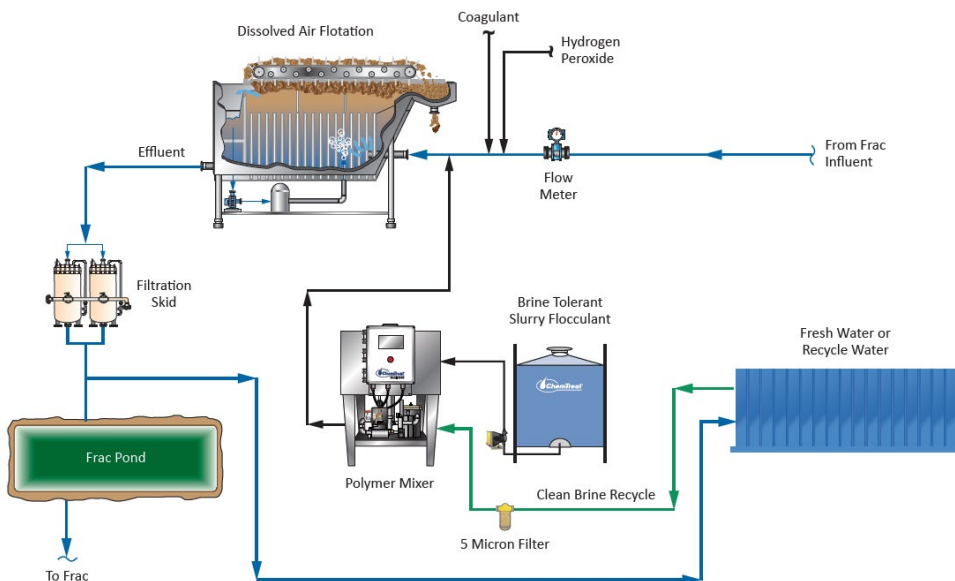
A More Potent Polymer for Fracturing Effluent

Frac recycle water with high total dissolved solids, elevated chloride levels, and other natural contaminants creates demand for a high-functioning polymer to achieve required suspended solids removal.

More effective in highly concentrated brine applications than traditional polymers, ChemTreat's technology helps our customers reduce freshwater usage* and meet key performance indicators while driving environmental, social, and governance (ESG) improvements.

Example of frac recycle water before and after polymer application. Approximately 6 ppm of neat polymer was needed to pull the solids out of solution.

Results are examples only. They are not guaranteed. Actual results may vary.



Example of brine-tolerant slurry flocculant (highly flocculating polymer) application at a hydraulic fracturing site.

*Compared to freshwater usage when not using polymer treatment.

Innovative Technology, Superior Service

Our highly experienced team works closely with our clients to understand and address their unique challenges. ChemTreat's support structure enables us to generate creative, customized solutions and respond quickly to issues.

Reduction of freshwater use is a core sustainability metric for most oil and gas customers, and, as an ESG leader, ChemTreat is committed to helping our customers achieve their environmental goals and meet ESG targets.

Our offerings include:

- **Concentrated and green chemistry options**
- **Level control sensors**
- **Proportional feed**
- **Production-based billing options**
- **Industry experts assigned to help you with ESG projects to document water, carbon, and total cost savings**

Contact us to see how ChemTreat can help you run more reliably and sustainably.

