Automated Blending Solution

TAKING THE GUESSWORK OUT OF WATER MANAGEMENT

Overview

Brackish water does not have to be a dirty word in your completions. Get consistent water quality by going back to the fundamentals. Using a combination of the TETRA water blending controller and our patented, on-the-fly blending manifold, takes the guesswork out of combining produced water, flowback water, brackish water, or freshwater into a consistent, high-quality blend that meets specifications required for fracing.

The water blending controller measures input and output water conductivity. This measurement helps accurately control the input water ratios to ensure the desired output blend. The manifold's unique, internal blending chamber effectively and consistently blends flowback, produced and fresh waters into one homogenous water blend for an optimal fracturing fluid.

The TETRA automated blending solution helps save money by reducing the cost associated with procuring fresh water and eliminates the cost of disposing the produced water.

Features

- 12" design to accommodate high-flow rates
- Manual, semi-auto, or automated operation
- Data-logging capability
- Real-time produced water (PRE) and blended water (POST) flow rate and conductivity measurement
- Integration with remote pump and flow rate monitoring
- Modular design for flexible rig up

Benefits

- Conserves fresh water by blending reclaimed produced water sources with fresh water at high flow rates for real-time frac water supply
- Provides an optimal fracturing fluid that meets customer water quality specifications
- Compatible with all TETRA innovative water treatment solutions
- Documents water quality across the stages of completion
- Reduces environmental impact by using produced water
- Lowers friction reducer demand and provides cost savings with consistent fluid

Technical Specifications

	Blending Manifold	Automated Water Blending Controller
Max. Working Pressure	200 psi	200 psi
Flow Rate	Up to 120 bbl/min	Up to 120 bbl/min
Weight	12,000 lbs	1,800 lbs
Footprint (LxWxH)	33' x 7.25' x 7.08"	64" x 140" x 58"
Inlets	4 x 10"	1 x 12" fresh water & 1 x 12" dirty water
Outlets	10 x 6", 1 x 12"	6" or 12"
Injection Ports	4 x 1"	None
Power Requirements	None	120V, 15A