

OR-TEC BLEND

Polymer Dosing System

Series 500P, 750P, 1000PD & 1500PD

The OR-TEC Blend polymer dosing systems combine efficient polymer makedown with simplicity of operation and maintenance. The units are used extensively in the water and wastewater treatment plants for the activation, blending and dosing of polymer as a solution. Its exceptional quality and surprisingly low price make it a very attractive and affordable system.

By their very nature, polymers are difficult to handle. Since sludges have unique and diverse characteristics, it is essential to correctly regulate polymer dosing within the dewatering process.

OR-TEC's patented system utilizes hydraulic energy (high water velocity) to activate the polymer solution, eliminating any harmful damage to the polymer itself. This activation is followed by a vortex system which actively blends and ages the solution.

There is no mechanical mixing involved.

Easy installation & Maintenance

Simply regulate the polymer feed (pump) and water supply to the on-site requirement. The unit is designed to deliver a precise rate of polymer solution. There are no moving parts in the wet phase, eliminating troublesome maintenance and costly downtime.



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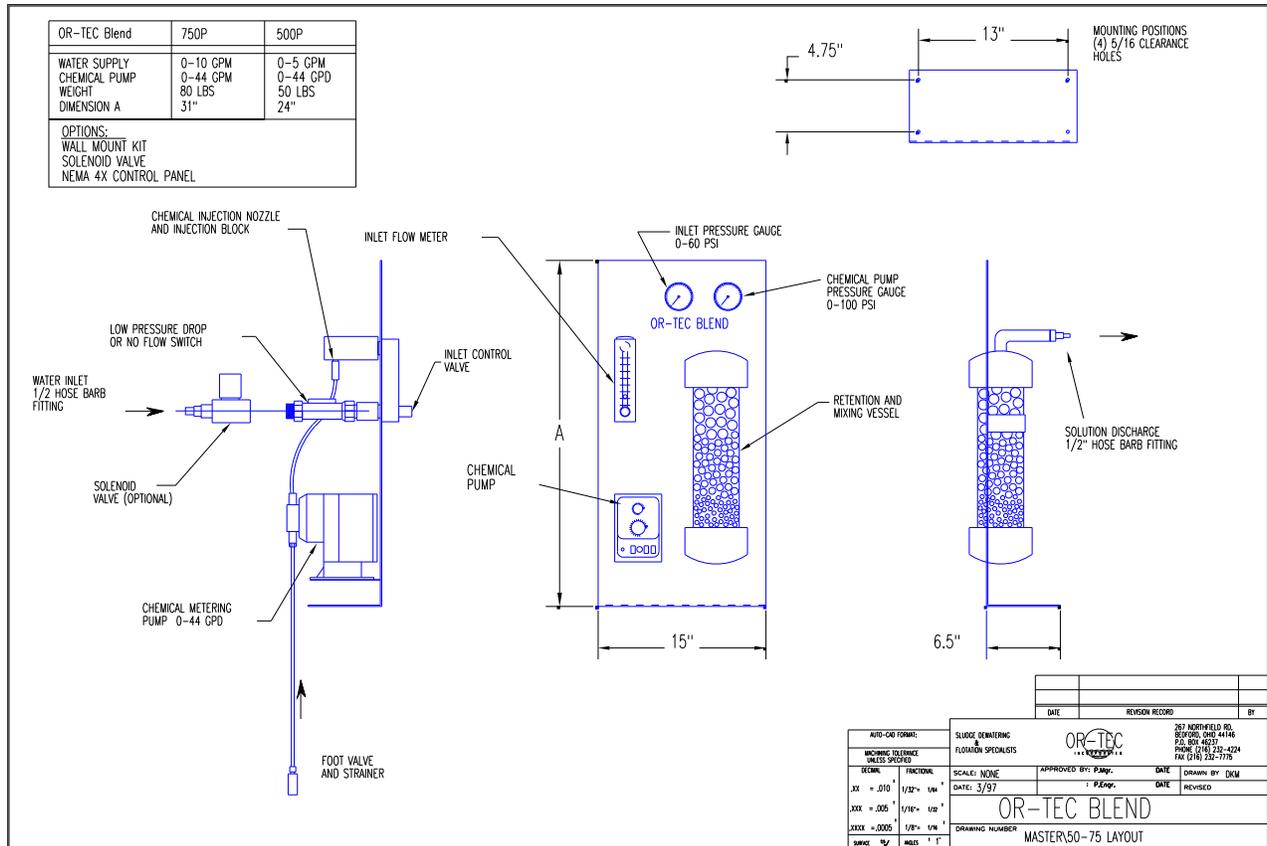
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OR-TEC Blend Polymer Dosing Systems

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Typical design....



Process Description...

The OR-TEC BLEND is designed for the activation, blending and dosing of polymer as a solution for delivery into a waste-stream. It can be used to dose chemicals for belt presses, flotation systems, sand or filter media drying beds, centrifuges and in clarifiers.

Models:

Or-Tec Blend 500P

Polymer Output Typical: 1.83 gph (44 gpd)
Dilution Water Output: Up to 300 gph
Typical Solution Concentration: 0.25%
This unit is typically used for dewatering applications (belt press/thickening)

Or-Tec Blend 750P

Polymer Output Typical: 1.83 gph (44 gpd)
Dilution Water Output: Up to 600 gph
Typical Solution Concentration: 0.01%
This unit is typically used for settling applications (clarification/filtration)

Or-Tec Blend 1000PD

Polymer Output Typical: 3.16 gph (76 gpd)
Dilution Water Output: Up to 1,200 gph
Typical Solution Concentration: 0.25%
This unit is typically used for larger flow dewatering applications (belt press/thickening)

Features:

1. No moving parts to block or foul
2. Vortex mixing/aging vessel
3. Stainless steel construction (incl. pressure gauges)
4. Efficient make down of polymer with no waste
5. Post Dilution option available
6. Simplicity of operation



Other models available for:

1. Treating higher/lower flow waste streams
2. Auto polymer preparation in day tanks
3. Dry polymer feed
4. Explosion Proof applications