

# PolyRex Trailer

Trailer mounted PolyRex dry polymer preparation system!



ProMinent®

**ProMinent's** trailer mounted PolyRex dry polymer preparation system is fully integrated with everything needed for a successful on-site trial. System utilizes ProMinent's proven Optimo high energy mixer for dry polymer wetting followed by low energy mixing in the maturation tanks. Efficient preparation of dry polymer improves your process and saves operational costs.

## Features & Benefits

- Trailer is aluminum construction to resist corrosion
- Fully automated controls with touch screen HMI
- Stainless steel control panel
- Water inlet supply tank and booster pump included to establish proper water pressure
- Vacuum loading dry polymer storage hopper with 3 ft<sup>3</sup> capacity
- Optimo high energy mixer to initially wet the dry polymer and prevent agglomerations
- Low shear mix tanks for hydrating the shear sensitive polymer molecules without damage

- Includes variable speed final feed pump, which can be used for injection or as transfer pump. The pump's capacity is 10 GPM, and can inject into 80 psi and has a 20:1 turn down ratio.

## Applications

- Municipal Wastewater
- Municipal Drinking Water
- Pulp & Paper
- Mining

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## Capacity data

- Fill rate of 24 GPM
- Batch volume for 1.5 m<sup>3</sup> tank: Max 325 gallons
- Concentration of solution: 1.0% maximum
- Solution capacity: 287 GPH
- Polymer capacity: 24 lbs/h

## Piping Connection Locations & Sizes

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*All plumbing connections are on the passenger side of the trailer.*

- Water Inlet: 1-1/2" NPT
- Water tank drain: 1-1/2" NPT
- Discharge: 3/4" NPT
- System drain: 1-1/2" NPT
- Mix tank(s) drain: 2" NPT
- Electrical connection: 1" conduit knockout
- Air inlet: 1/4" NPT

## Requirements

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- Water supply of 24 GPM with a minimum pressure of 20 PSI
- Power supply of 460Volt, three phase, 25 amp
- Air supply of 50-100 psi with 5 scfm Air inlet: 1/4" NPT
- Minimum of 24' L x 15' W x 12' H floor space is required to accommodate the trailer mounted unit.
- Minimum door clearance of 10.5' W x 12' H is required. The unit must stay on the trailer.