

## POLYMER DOSING SYSTEM DRY POLYMER BATCHING & DOSING



### DESCRIPTION

Watertec Engineering Pty Ltd has many years of experience in the water treatment industry and our in-house engineers have developed a compact Polymer Batching & Dosing system. The system uses a vacuum polymer unloading system to transfer powder from bags into the screw feeder hopper. An air blower then transfers the polymer via a venturi eductor to our Watertec designed wetting head above the polymer mixing tank. From the polymer mixing tank, which is permanently elevated, the polymer solution is gravity fed to the storage tank via an automatic control valve, which is operated by level controls in both the storage tank and mixing tank. The mixing tank can be positioned on top of the batching tank so that a transfer pump is not required.

All equipment is pre-assembled on a skid and tested prior to delivery to minimize site work. This arrangement requires minimal on site electrical and plumbing installation and also minimal space.



### FEATURES

- Polymer vacuum conveying system from bags into screw feeder hopper.
- Air blower & vacuum eductor for dry polymer conveying from screw feeder to wetting head.
- Stainless steel mixing tank with slow speed mixer & level controls.
- Stainless steel storage tank with level controls.
- Local electrical control panel with PLC.
- All equipment located on a single skid.
- Long plant life.
- Individual systems can be designed to suit your space or special requirements.
- Other standard supplies may be accommodated
- Please Note: Specifications subject to change without notice



**Watertec Polymer Dosing System**

**We strongly recommend the use of air for moving the polymer from the hopper to the mixing tank due to the problems that can occur if the polymer in the screw feeder absorbs any moisture (particularly when the units are off line for longer periods of time).**

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