

POLYMER INJECTION CONTROL

APPLICATION SHEET

APPLICATION OVERVIEW

Polymers are used heavily in wastewater treatment applications to coagulate suspended solids and produce large curds, or flocculation. The solids can then be removed, leaving behind cleaner wastewater. Polymers can be classified as nonionic, anionic, or cationic polymers. In order for the polymers to be fully effective, they are mixed with a specific amount of water. If too much water is supplied, the polymer will be too diluted to work efficiently. If not enough water is supplied, the chemical process will not be activated. Flow control is critical in order to provide a steady-state polymer injection process.



KATES SOLUTION

The Kates Flow Controller will maintain an accuracy of 1.5% of its flow set point, regardless of pressure fluctuations. By setting a desired flow rate on the calibrated dial, a consistent and accurate blending of water into a polymer injection system is achieved. The versatility of the Kates Flow Controller allows it to be manufactured out of PVC for applications that may be corrosive. Ensure the cost of polymer injection is minimized by utilizing a Kates Flow Rate Controller.

