HydraPol-N™
Neat Polymer Systems
Liquid Systems

Overview

Veolia’s liquid polymer systems are designed to process and deliver the full range of HMW (high-molecular-weight) polymers in the emulsion, dispersion and solution form. The unique four-step process is controlled by the patented, pressure regulated hydraulic mixing circuit.

Liquid polymer and water combine through the four processing stages of premixing, blending, recycling and control to invert, disperse and condition the polymer. This imparts maximum activity development in the dilute aqueous solution phase.

The entire process design applies proven physical-chemical principles of kinetic acceleration, polymer dispersion, viscosity equalization, pressure equilibrium and polymer structuring. The result is optimal polymer conditioning.

Small Flow Applications

Sharpshooter & Compact Series liquid polymer systems are the smallest capacity and are frequently found in isolated, stand-alone application systems.

Our systems are available in a variety of capacities. You will find that our systems are accurate and reliable, delivering responsible results each and every time.

AnCAT G-Series liquid polymer systems employ a 316 stainless steel metering pump to inject the neat liquid polymer into the four stage, hydraulic mixing circuit. G-Series AnCATs can process up to 600 GPD of Mannich/AMPAM or PAM solution polymer and up to 8.0 GPM (480 GPD) at 0.2 to 2.0%, volume on volume, polymer solution concentrations are standard while solution flowrates to 16 GPM (960 GPH) are typical for SD (Secondary Dilution) versions.
**Liquid Systems**

**Large Flow Applications**

AnCAT **L-Series** Liquid polymer systems have the most recognizable “L” shaped profile of any system on the market today.

L-Series AnCAT Systems are widely employed in a large industrial and municipal applications. The L-Series systems range in polymer solution delivery capacity from 20 GPM to 300 GPM.

**Hydra-Stat**

- Real-time polymer activation monitoring
- Prevent process downtime
- Validates operation and system performance
- Optimizes polymer consumption (ROI)

**Turnkey Custom Systems**

Veolia Water Technologies Canada Inc. can offer custom turnkey systems including process equipment, automation, instruments, quality documents, start-up and training.

Custom systems can be designed and fabricated to meet most stringent industrial specifications, such as, but not limited to: ASME B31.3, API650 app. J, CWB, AWS D1.1
Resourcing the world