

PolyPrep One

Liquid Polymer Activation System

- Pre-Engineered System for Simple Installation
- Proportional Control
- Wide Range of Water Flow Rates
- Wide Range of Polymer Rates
- Wide Range of Control Options
- Low Maintenance Requirement
- Stainless Steel Frame
- NEMA 4X Enclosure
- Stainless Steel Threaded Coupling Connections
- Loss of Water Flow Alarm
- Run Status Indicator
- System In Remote Indicator
- Water Flow Out
- Remote Speed Control
- Remote Start/Stop
- Designed for Harsh Duty



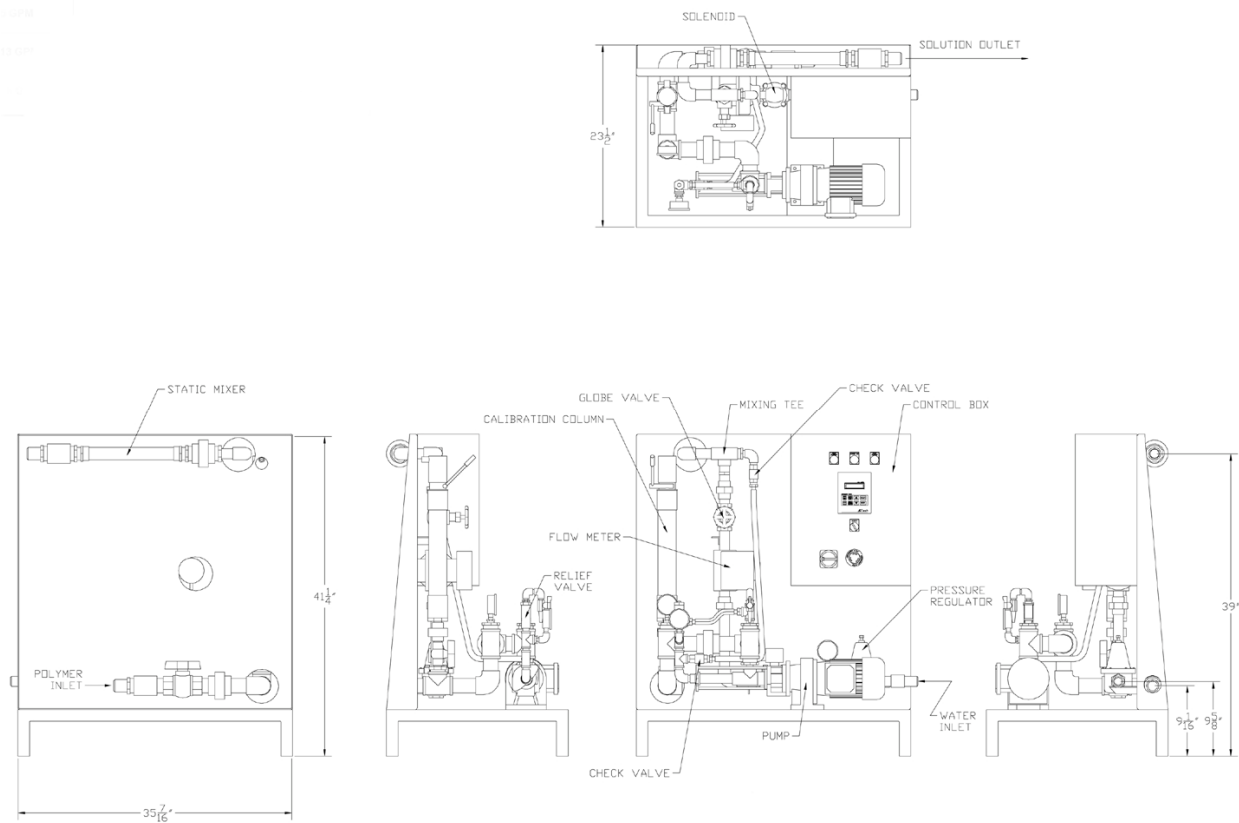
The PolyPrep One Series is a reliable, robust system designed for a broad range of polymer activations. Chem-Flow has taken all the guesswork out of polymer preparation and designed a system that provides the operator with ease of operation and the plant with certainty that a consistent solution will be provided to the process.

Utilizing our "Hydro-Kinetic Mixing Tee" technology, the system imparts sufficient "initial" energy to produce consistent high-yield polymer solutions. Proper polymer inversion is assured by the imparted initial high-energy shear, dilution and rapid mixing design. The result is a fully hydrated polymer solution.

Neat polymer and water are introduced in the HKT. The waterside is configured such that there is a "high-energy" mix zone produced. It is here that the neat polymer is injected and produces the necessary initial inversion. The solution then passes thru a static mixer where managed secondary mixing allows for the full hydration of the polymer chain without unnecessary shear to the fragile solution.

MODEL	POLYMER GPH	DILUTION WATER GPH
PP-60-1P	1	60
PP-300-3P	3	300
PP-600-6P	6	600
PP-1200-12P	12	1200
PP-3000-24P	24	3000
PP-6000-60P	60	6000
PP-12000-120P	120	12000

GENERAL ARRANGEMENT



GENERAL SPECIFICATIONS

VOLTAGE: 120VAC

AMPERAGE: 20AMP CIRCUIT

WEIGHT: 250LBS.

DIMENSIONS: W36" X D24" X H42"

WETTED MATERIALS:

Water: SS, Brass

Polymer: PVC, SS, PTFE, Viton

POLYMER INLET: 1 ½" FNPT

WATER INLET: 1" FNPT

SOLUTION OUTLET: 1" FNPT

