

# Polyblend® Dry Polymer Feed System Model DP110

The Polyblend® DP110 system is a reliable dry polymer feed system for use in water and wastewater applications. The DP110 is an integrated sequential batch, continuous feed system design.

The DP110 is specifically designed to provide uniform mixing. Dry polymer and water are mixed in the vortex created by the rotating tank impeller. The unique mixing process provides maximum polymer preparation and activation. The system is designed for polymer solution concentrations up to 0.3% by weight with a maximum dry polymer feed rate up to 1.9 lbs/hr (0.86 kgs/hr).

The DP110 is controlled through an easy-to-use microprocessor-based touch screen operator interface. The LCD display enables complete operation of all functions including dosage rates, solution concentration, run and flow totalizers and alarm conditions.

The DP110 can be supplied with a number of polymer solution transfer pump options and controls options.

## Specifications

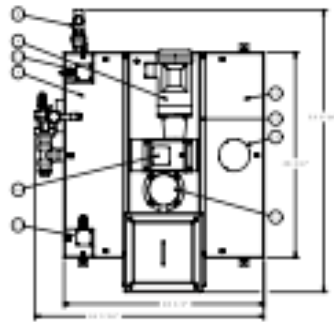
Electrical	120 VAC/ 50-60 Hz/ 1 Ph 240 VAC/ 50-60 Hz/ 1 Ph 240 VAC/ 50-60 Hz/ 3 Ph 380 VAC / 50-60 Hz/ 3 Ph 480 VAC/ 50-60 Hz/ 3 Ph 575 VAC/ 50-60 Hz/ 3 Ph
Water Supply	37.85 LPM (10 GPM)
*Polymer Feed	Up to 0.86 kg (1.9 lbs)/hr
Control Panel	NEMA 4X PLC based with color touch screen
Options	Solution transfer pumps Control options

## Key Benefits

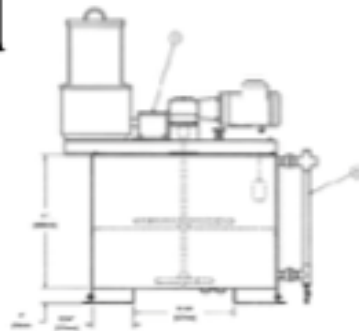
- *Consistent and reliable performance*
- *Reduced polymer consumption*
- *Operator interface controls provide fully automated operation*
- *Easy to operate system with improved safety features*



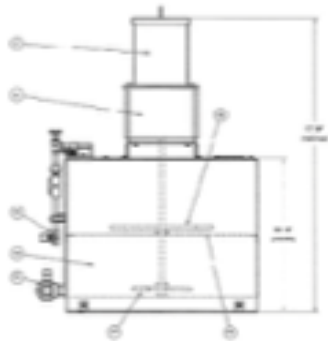
General Layout



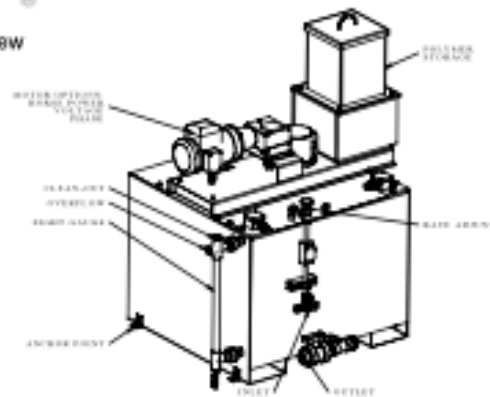
Top View



Side View



Back View



Isometric View

Key	Description
1	Chamber Assembly, Acrylic
2	Motor, Channel Mount
3	Cover, Clear Acrylic
4	Cover, 3.175 mm (1/8"), 304SS
5	Cover, Tank, 304SS
6	Volumetric Feeder, SS
7	Hopper, 1 cu. ft.
8	Level Assembly, Sight Gauge
9	Motor, 1 HP, WD
10	Gear Reducer, Baldor, 15:1
11	Switch Assembly, Sensor
12	Switch Assembly, Float
13	Tank, 567.8 L (150 US GAL), 304SS
14	Valve, Ball, PVC, 38.1 mm (1-1/2" )
15	Valve Assembly, Solenoid, 12.7 mm (1/2")
16	Mix Tank Mixer
17	Hold Tank Mixer
18	Baffle Separating Mix & Hold Tanks

**cleanwater1**

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