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Poly EZ Series Solution Polymer Dosing System



Poly EZ Series

- For dosing solution polymer directly to the process.
- Control of neat polymer dosage.
- Rugged SS Skid Construction
- Rapid, Uniform Activation
- Simple to Install and Operate.
- Operator friendly
- ◆ Remote Start Stop Capable

The Poly EZ Series is designed to dose solution type polymers in solution form to the process via a dilution water line. Final solution concentrations range between 0.02 % and 1.0 % .

The system can also be modified to supply "neat" product to any application.

Polymer from a bulk storage tank is dosed via a progressive cavity type pump in to the inlet of a static mixer.

At the same time, dilution water flows through the static mixer. The static mixer allows the creation of an activated polymer solution, which then flows to the process dose point(s).

The polymer pump speed (and hence dose rate) is controlled via a frequency inverter located in the local control cabinet. In AUTO mode, an external 4-20mA signal is used to vary the pump speed.

An external start/stop signal can also be employed. In MANUAL mode, a speed pot located on the control cabinet is used to vary the pump speed.

If desired, the unit can be modified to feed the "neat" polymer solution directly to the application without dilution water.

General Specifications

Construction: Stainless steel frame
Piping: Stainless steel
Fittings: Stainless steel and Bronze
Electrical: 120 Vac, 50 - 60 Hz supply,
9.2 Amps, 240 & 480 Vac 3

Control Box: IP66, Nema 4X

Ask about installation and start up!



Poly EZ Series—Solution Polymer Dosing System

Selection Matrix

Parameter	E-Z 140	E-Z 225	E-Z 500	E-Z 6800
Polymer Dose Rate	15 – 140 ml/min	20 – 225 ml/min	40 – 500 ml/min	565–6800 ml/min
Nominal Dilution Water Flow	0 – 64 lpm	0 – 64 lpm	0 – 64 lpm	0 – 760 lpm
Solution Concentration	0.02% – 1.0 %	0.03% –1.0 %	0.06% – 1.0%	Up to 1.0 %
Neat Polymer Inlet Connection	1" Polypropylene Quick Disconnect Female	1" Polypropylene Quick Disconnect Female	1" Polypropylene Quick Disconnect Female	1" Polypropylene Quick Disconnect Female
Water Inlet Connection	1" Polypropylene Quick Disconnect Female	1" Polypropylene Quick Disconnect Female	1" Polypropylene Quick Disconnect Female	3" Polypropylene Quick Disconnect Female
Solution Outlet Connection	1" Polypropylene Quick Disconnect Female	1" Polypropylene Quick Disconnect Female	1" Polypropylene Quick Disconnect Female	3" Polypropylene Quick Disconnect Female
Calibration Cylinder Capacity	250 mL	250 mL	250 mL	4000 mL
Dimensions	42" x 18" x 39" (L x W x H)	42" x 18" x 39" (L x W x H)	42" x 18" x 39" (L x W x H)	60" x 45" x 48" (L x W x H)
Approximate Weight	180 lbs.	180 lbs.	180 lbs.	275 lbs.