

3.4 ProMinent® Beta® Liquid Polymer Blending System

ProMinent® Beta® PROMIX-LB1000 Liquid Polymer Blending System

Australian designed and manufactured. The Liquid Polymer Blending System is a liquid polyelectrolyte preparation system for continuous production of a consistent quality polymer solution.

The polyelectrolyte is prepared by the injection of liquid polymer into a mixing chamber by the ProMinent® Beta metering pump. Feed water is supplied to the mixing chamber by a flow controlled centrifugal pump. The metering pump is adjustable to achieve the required polymer dilution.

Self Contained

The unit is mounted on a polyethylene stand designed for easy installation and maintenance. Site installation requires only the connection of process water, liquid poly and a standard 3-pin 240-volt power outlet.

Wetting Assembly

The heart of the Liquid Polymer Blending System is the Australian designed & built mixing chamber incorporating a venturi which ensures the creation of long chain molecules and no unmixed polymer solution.

Flushing

After polymer make up is stopped a timer allows for the mixing chamber to be flushed with water.

System Capacity

PROMIX-LB1000-1008	1000 l/h flow @ 0.40% solution
PROMIX-LB1000-0713	1000 l/h flow @ 0.70% solution
PROMIX-LB1000-0420	1000 l/h flow @ 1.00% solution

Note: solution % will depend on type of poly used.

Specification

Each system includes:

- 1 x Polyethylene Stand
- 1 x Water Transfer Pump
- 1 x ProMinent Beta Metering Pump
- 1 x Mixing Chamber
- 1 x Blending Pipe Work

Part No.

PROMIX-LB1000-1008

PROMIX-LB1000-0713

PROMIX-LB1000-0420



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