

## 3.5 ProMinent® Spectra® Liquid Polymer Blending System

### ProMinent® Spectra® PROMIX-LS2000 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® Spectra 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

Up to 2,000 l/h flow of a 1% solution. The Spectra progressive cavity pump is able to handle highly viscous polymers.

#### Timer

Standard run time factory set at 99 minutes. If requested Max. time run can be set to 99 hours or deactivated completely.

#### Specification

##### Each system includes:

- 1 x Polyethylene Stand
- 1 x Water Transfer Pump
- 1 x ProMinent Spectra Metering Pump
- 1 x Mixing Chamber
- 1 x Blending Pipe Work
- 1 x Control Panel

**Other capacities available on request.**

##### Part No.

**PROMIX-LS2000**

**Note:** Additional static mixing for improved activation of difficult products



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