



*"The Leader In  
Geotextile Sludge  
Dewatering Systems"*

## TECHNICAL INFORMATION

- Blue River Technologies Series II liquid make down system is designed to operate as manual or fully automatic. The unit can make down emulsion polymer at a rate of 5 to 20 gpm.
- The Blue White A2 series pump can deliver up to 7 gallons per hour of emulsion polymer allowing a solution concentration of up to a 0.6% solution concentration at 20 gpm flow rate. (Optional A3 pump will allow higher solution concentration if needed.)
- They operate on standard 110VAC power requirement.
- The Series II machine will operate either manually or it can be turned on with a 24VDC or 110VAC signal from a remote location.
- A disc style check valve is in the polymer line at the point of injection.
- When the unit is turned on, the electric operated solenoid valve opens. The poly pump turns on and begins pumping emulsion polymer thru a check valve and into the injection tee located above the mixing head. The diluted polymer goes thru the mixing chamber thru a static mixer located on the side of the unit then discharged out to the side of the unit and into the process.
- When the unit is turned off, the polymer injection pump is shut down and water can continue to flow for a timed delay period of up to 60 seconds to flush out the mixing head and lines.
- The Blue River Technologies mixing head is specifically designed for mixing emulsion polymers. The head utilizes low pressure, high kinetic energy mixing nozzles that will thoroughly mix difficult to invert polymers.
- A secondary static mixer is used to provide additional mixing to help prevent angel hair and agglomerations.
- Both mixing heads utilize a clear PVC mixing chamber allowing visual confirmation
- The base and stand are constructed from 1" X 1" X 16 ga. Stainless Steel.

## Series II Polymer Make-Down Unit with *Blue-White A2* Peristaltic Pump



**Fittings are Schd 80 PVC  
to provide the user years  
of trouble-free service.**

[WWW.BLUERIVERDEWATER.COM](http://WWW.BLUERIVERDEWATER.COM)

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