



FURROW PUMP

Supporting the chemical equipment solutions industry through education and expertise.

8525 SW St. Helens Drive
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Mixmate[®] Polymer Feed System

❖ *The Mixmate[®] is Simple*

No moving mechanical parts and costs nothing to operate.

❖ *The Mixmate[®] is Compact*

Wall mounted unit takes up no floor space. Batch system is very compact.

❖ *The Mixmate[®] is Available*

Typically shipped within a week.

❖ *The Mixmate[®] Works*

Hydrates emulsion polymer from 1.0% through 0.2%.

Polymer Made Easy

The Mixmate[®] Polymer Make-down system is an easy to use, low maintenance method of hydrating emulsion polymer using the kinetic work available in pressurized city water. It will produce nearly instant hydrated emulsion polymer ready for use.



There is no limit to the volume of Polymer that can be hydrated in a Mixmate[®]

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The Mixmate[®] offers a three part approach to hydrating and activating emulsion polymer.

- 1) **For polymer feed applications above 15 gallons per hour** that don't require 24 hour operation, the Auto-Flushing Mixmate[®] system offers the advantage of automatically flushing out the system prior to start-up and neat polymer introduction. At the end of the run but prior to a hard shutdown, the neat polymer pump is shut off but the Mixmate[®] continues to flush the system with water. After the system is flushed clean, the water valve is then automatically shut down.
- 2) **For polymer feed application below 15 gallons per hour**, the Automatic Batchmate system offers the advantage of hydrating polymer at a known flowrate and sending it to the integral storage tank. A second metering pump will vary the polymer input into your system manually or via 4-20mA signal.
- 3) **For polymer systems that require 24/7 operation**, the wall mounted Mixmate[®]/metering pump combination will hydrate emulsion polymer and convey it into the water system directly and continuously. While aging helps improve polymer efficiency, no aging is required for polymer exiting a Mixmate[®]. This approach works best with 24/7 operation of the system.

There is almost no limit to the volume of polymer that can be activated and hydrated in a Mixmate[®].

All Mixmate[®] systems can be specified to activate polymer from 1% down to 0.2% and you can specify a system based on polymer in:

- mL per minute
- parts per million
- gallons per hour

The following chart will help guide you choose the proper Mixmate[®]. Please contact your Mixmate[®] dealer to verify your system choice will do the job

MixMate [®] Model	% range	50 PSI		70 PSI		CHEM ML/MIN	PPM POLYMER to GPM					
		WATER GPM	POLYMER	POLYMER	POLYMER		WASTE STREAM GPM					
							50	100	200	400	600	800
M032-222-A234	1 to 0.3	.5 - 1.2	0.3 - .45	0.3 - 0.6	20 - 40	100	50	25	13	8	6	
M032-323-A234	1 to 0.3	1 - 2.4	0.6 - 0.9	0.6 - 1.2	40 - 80	200	100	50	25	17	13	
M072-424-A234	1 to 0.3	2 - 6.5	1.2 - 2.0	1.2 - 3.0	80 - 200	400	200	100	50	33	25	
M102-725-A235	1 to 0.5	4 - 12	2.5 - 3.5	2.5 - 4.5	150 - 285		417	208	104	69	52	
M202-526-A236	1 to 0.5	10 - 20	3.0 - 4.5	3.0 - 6.0	200 - 400		500	250	125	83	63	
M202-627-A236	1 to 0.3	20 - 50	6.0 - 9.0	6.0 - 15	400 - 1000			500	250	167	125	

Furrow Pump has staff ready to help you specify the proper Mixmate[®] to deliver the exact volume of polymer your system requires.