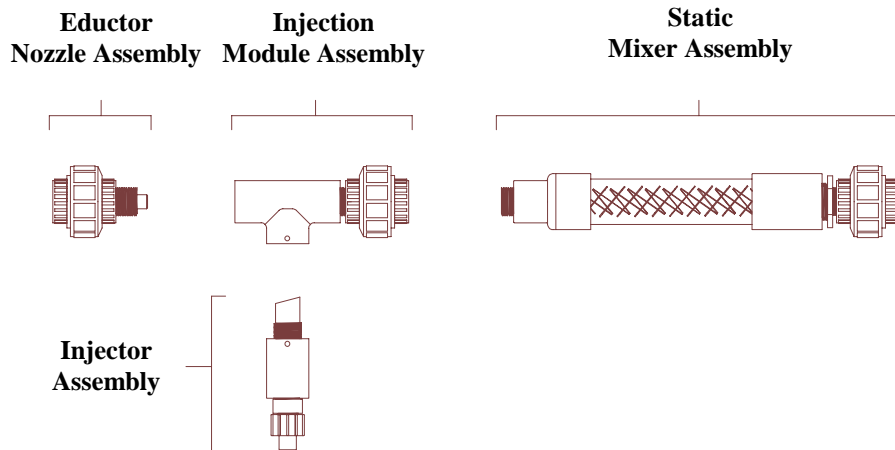


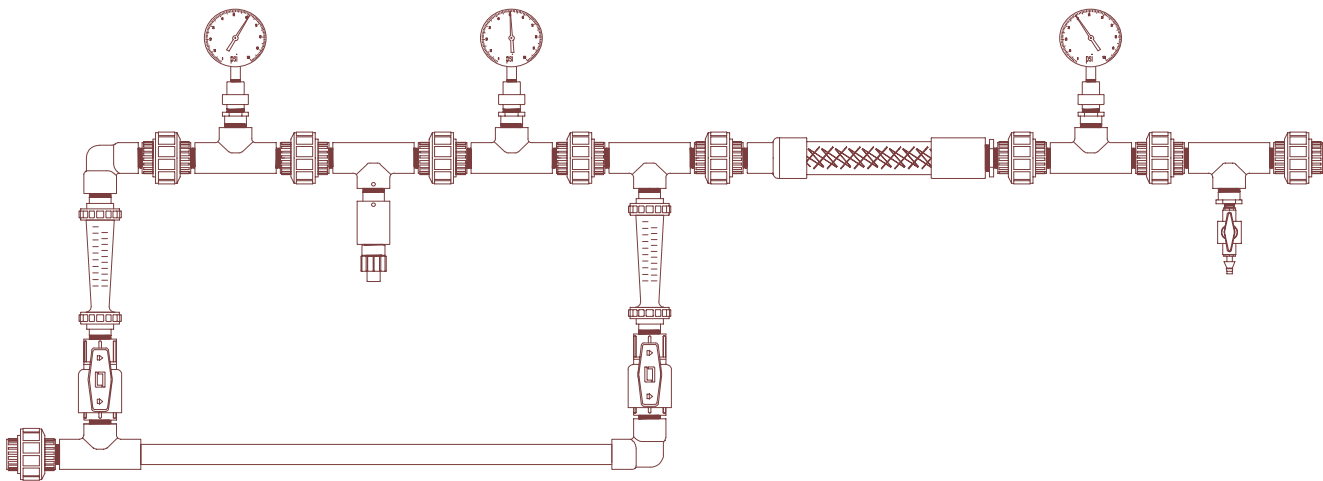
# MIXMATE® INSTRUCTIONS

The exploded drawing below shows the principal sub-assembly components of a MixMate Basic System.



If you add two flowmeters, a sample valve assembly, and the three pressure gauge assemblies, then your MixMate would look like the drawing below:

## MIXMATE WITH TWO FLOWMETERS AND OPTIONS



## INSTALLATION

**The MixMate System is simple to install.** The unit comes with mounting clips that can be attached to virtually any vertical surface. If you wish, we will mount the MixMate on a plywood backboard, which you can in turn put onto a wall or existing plumbing.

If you need flexible plumbing connections, then all but the 2" version can have connectors and tubing added. Once mounted, connect the water inlet, product outlet and polymer pump feed line. For units with small eductor nozzles, typically 1/32" through 1/8", it would be a good idea to install a cartridge filter or Y-strainer on the water supply to help prevent plugging. Please check to see that white dots on the Injection Module and Injector Fitting are lined up over each other, so that the internal components are aligned properly. Now you're ready to start up the system.

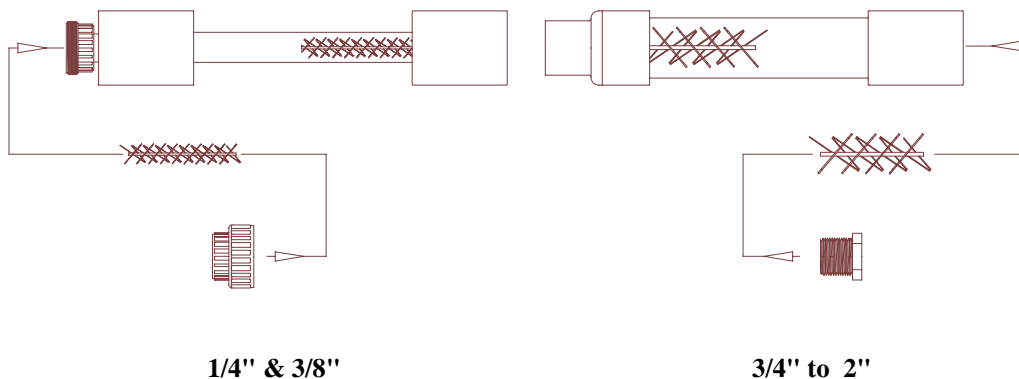
## OPERATION

With the chemical pump off, open the water input to 100 % by opening the primary flowmeter valve completely. If you have a secondary dilution water flowmeter, open that valve fully as well. Turn the polymer pump on and slowly work it up to your desired feed rate. Next, turn the primary water down with the valve until you reach the product concentration best suited to your application. Then turn the valve of the secondary dilution flowmeter, if you have one, down until you reach the preferred product application strength.

Once you are in operation, there are several ways that you can determine whether or not you are getting good results. In most cases, when a system is functioning correctly, there will be clear water in the beginning stages of the mixer, a white cloud in the middle, and then a blended white stream at the end. There should be no fisheyes or other undissolved solids visible in either the mixer or the product stream. Pinch some of the product water between your thumb and index finger to see if the liquid will "string" between them as they are separated - the longer you can make the string, the more fully your polymer will be activated. If you have any questions about your system's performance, please feel free to consult with us or one of our representatives.

## CLEANING

**The MixMate system has been designed for quick and easy disassembly in the field, for either cleaning or component changes.** An ample number of unions have been included, so that each sub-assembly can be readily taken apart for attention. Should plugging occur at the nozzle or injector, they can be simply accessed. The 1/4" and 3/8" mixer elements can be removed through the union at the upstream end of the mixer. The 3/4" and larger mixers use a reducer bushing to hold the elements in place, so that when you take off the bushing the elements come out from the downstream end of the mixer. If you need to clean out your system, you should be able to do the job in as little as ten minutes. **Let us know how your MixMate is working.**



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