

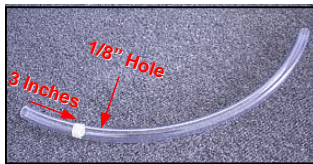
Hydrominder Inner Tube Dilution Assembly Set Up

The Inner Tube Assembly for dilution is a simple way to dilute highly concentrated products without the need for pre-dilution.

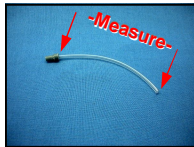
Because factors such as water pressure, length of intake tube from the foot valve to the tip, height from the bottom of the product container to the Proportioner, all affect the actual dilution achieved at any given length of Inner Tubing, it is advised to titrate the mixed product to make sure you are obtaining your desired dilution.

Express! Solutions products are blended according to strict standards and therefore are very consistent, so once you establish the length of Inner Tubing, only occasional titration testing is necessary. The Inner Tube assembly is very unlikely to become plugged up since the tubing diameter is quite large compared to dilutions tips.

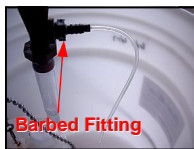
Hydrominder Discharge Assembly - Flow Restrictor



Before setting up the Inner Tube Assembly, it is important to make sure that the Discharge Tube coming off the bottom of the Hydrominder Eductor has a Flow Restrictor in the tube - It should be placed exactly 3 inches from the end of the tube for proper Hydrominder function. If your Hydrominder does not have a backflow preventor, or you are unsure if it is working, drill or cut a small hole (approximately 1/8 inch diameter) about 1 inch below the Flow Restrictor - make sure the hole is ABOVE the level of the solution in the tank. This keeps the mixed solution in the tank from backing up into the soap pail or drum, in case of a defective foot valve.



Measure the desired length of the Inner Tubing and cut to length - measure from the barbed end of the Dilution Tip to the end of the Inner Tubing. *Remember*, the longer the tubing, the less product will be drawn (more diluted - aka, weaker mixture) - the shorter the inner tubing, the more product will be drawn (less diluted - aka, stronger mixture). Next, slip the tubing inside the Dilution Tip from the larger end - push through the entire length of the Dilution Tip, flush with the barbed end. *(The Inner Tubing pictured is curled - straighten it out to measure the length.)*



Next, press the barbed end of the Dilution Tip with Inner Tubing into the barbed fitting on the Hydrominder Eductor.



Finally, slip the 1/4inch product intake tube over the Inner Tubing and onto the barbed fitting on the Hydrominder Eductor.



Finished Installation with product 'faced up'.

Titrate the mixture and adjust Inner tubing length to obtain desired dilution.



Installed on **Hydrominder**.

Questions? Call Donovan at (563) 299-0144