

HydroMix Proportioner

Package Should Contain:

1. Proportioner unit.
2. Pick-up tube assembly.
3. Metering tip kit.
4. Mounting anchor kit.
5. Instruction sheet.

THANK YOU FOR YOUR INTEREST IN OUR PRODUCTS

Please use this equipment carefully and observe all warnings and cautions.

*****NOTE*****

WEAR

protective clothing and eyewear when dispensing chemicals or other materials or when working in the vicinity of all chemicals, filling or emptying equipment or changing metering tips..

ALWAYS

observe safety and handling instructions of the chemical manufacturer.

direct discharge away from you or other persons or into approved containers.

dispense cleaners and chemicals in accordance with manufacturer's instructions. Exercise **CAUTION** when maintaining your equipment.

reassemble equipment according to instruction procedures. Be sure all components are firmly screwed or latched into position.

KEEP

equipment clean to maintain proper operation.

Installation and Operation:

1. Remove cabinet cover. Drill holes for the three wall anchors with a 5/16" drill bit, using the cabinet back as a template for proper spacing of the mounting screws. Install mounting anchors, and then screws in top two anchors. Slide key holes in cabinet back over screw heads, tighten screws, then install bottom screw. Do not mount more than 6 feet (1.8 meters) above the bottom of the concentrate container, nor below the highest concentrate level (never mount your concentrate higher than the proportioner).
2. Select a metering tip, and insert into hose barb of check valve that is screwed into the eductor.
3. Supply tubes should reach from hose barb on eductor to 1/2" from the bottom of the concentrate container. REMEMBER TO CHECK FOOT STRAINER PERIODICALLY FOR CLOGGING: CLEAN IF NECESSARY.
4. Slip other end of supply tube through an opening in either side of the cabinet and push over the hose barb/metering tip on the eductor.
5. Connect the female end of a garden hose to bottom of unit for discharge of solution.
6. Replace cabinet cover. Push the sides in, behind the latch holes, to snap the cover in place.
7. Connect water supply hose of at least 3/8" ID to water inlet swivel. (Minimum 25 PSI pressure, with water running, is required for proper operation.) Connect opposite end of hose to water supply. Turn water supply on.

8. Push button to start flow of desired water/concentrate solution, and hold until supply tube is primed (filled). Then push the button whenever dispensing is desired, and release button to stop flow of solution. **If you wish to be able to lock the button in the "on" position: Depress then twist button to the right to latch in the "on" position. To unlock, twist the button to the left then release the button to stop flow of solution.**

Metering Tip Selection:

The final concentration of the dispensed solution is related to both the size of the metering tip opening and the viscosity of the liquid being siphoned. For water-thin products, the chart at right can be used as a guideline. Because dilution can vary with water temperature and pressure, and if the product is noticeably thicker than water, dilution rates shown at right should be viewed as approximates.

APPROXIMATE DILUTIONS AT 40 PSI FOR WATER-THIN PRODUCTS (1.0 CP)			
Per Eductor Flow			
Tip Color	Diameter	Ratio	Percentage
No Tip	.187	4:1	23.50%
Grey	.128	6:1	17.00%
Black	.098	6:1	16.00%
Beige	.070	8:1	12.50%
Red	.052	12:1	8.00%
White	.043	18:1	5.50%
Blue	.040	22:1	4.50%
Tan	.035	28:1	3.50%
Green	.028	47:1	2.00%
Orange	.025	56:1	1.75%
Brown	.023	66:1	1.50%
Yellow	.020	96:1	1.00%
Aqua	.018	111:1	0.90%
Purple	.014	169:1	0.50%
Pink	.010	316:1	0.25%

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Troubleshooting Chart:

Problem	Cause	Solution
1. No discharge	a. No water b. Magnetic valve not functioning c. Excessive water pressure d. Clogged water inlet strainer	A. Open water supply b. Push Button c. Install regulator if water pressure exceeds 60 PSI (flowing) d. Disconnect inlet water line and clean strainer
2. No concentrate draw	a. Clogged foot filter strainer b. Metering tip or eductor has scale buildup c. Low water pressure e. Concentrate container empty f. Clogged water inlet strainer g. Air leak in chemical pickup tube	a. Clean or replace b. Clean (descale)* or replace c. Minimum 25 PSI (with water running) required to operate unit properly e. Replace with full container f. Disconnect inlet water line and clean strainer g. Put clamp on tube or replace tube if brittle
3. Excess concentrate draw	a. Metering tip not in place b. Chemical above eductor	a. Press correct tip into barb on eductor b. Place concentrate below the eductor
4. Failure of unit to turn off	a. Magnet doesn't fully return b. Push-button stuck	a. Ensure magnet moves freely b. Remove button and clean cabinet/button to remove any dirt lodged in slide recess
5. Excess foaming in discharge	a. Air leak in pickup tube	a. Put clamp on tube or replace tube if brittle