

JOZZGD

HydroCap Foamer

Package Contains:

1. HydroCap Foamer unit.
2. Spray nozzle.
3. Quick coupler.
4. Chemical inlet tube, weight, and footvalve.
5. Metering tip kit.
6. Instruction sheet.

Installation and Operation:

1. Remove HydroCap Foaming unit from box.
2. Select metering tip (see next section) and insert into the chemical inlet stem.
3. Install chemical inlet tube over metering tip and onto inlet stem.
4. Place HydroCap Foaming unit onto chemical container and seal by turning cap until tight. NOTE: Cap will independently turn.
5. Connect female quick connect on spray gun to male quick-connect of HydroCap foamer
6. Connect a garden hose with 19mm male garden hose thread to the base of the spray nozzle handle. Turn on the water supply to the hose. (Minimum 1.76 Bar water pressure is required to operate the foamer.)
7. To disconnect, turn off water source. Release the quick-connect to separate nozzle from HydroCap foamer.

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. If product is noticeably thicker than water, consult the Measurement of Concentration Procedure below to achieve your desired water-to-product ratio. Because dilution can vary with water temperature and pressure, actual dilution achieved can only be ascertained by using the Measurement of Concentration Procedure. The clear, undrilled tip is provided to permit drilling to size not listed should you need a dilution ratio that falls between standard tip sizes.

NOTE: Refer to parts diagram if unfamiliar with names of system components.

AT 2.86 BAR FOR WATER-THIN PRODUCTS

Tip Colour	Orifice Drill /	Std. Size	Ratio
			2.5 GPM
No Tip	.187	(3/16)	6:1
Grey	.128	(30)	6.5:1
Black	.098	(40)	7:1
Beige	.070	(50)	8:1
Red	.052	(55)	12:1
White	.043	(57)	18:1
Blue	.040	(60)	20:1
Tan	.035	(65)	24:1
Green	.028	(70)	32:1
Orange	.025	(72)	44:1
Brown	.023	(74)	64:1
Yellow	.020	(76)	72:1
Aqua	.018	(77)	96:1
Purple	.014	(78)	128:1
Pink	.010	(87)	170:1

Measurement of Concentration:

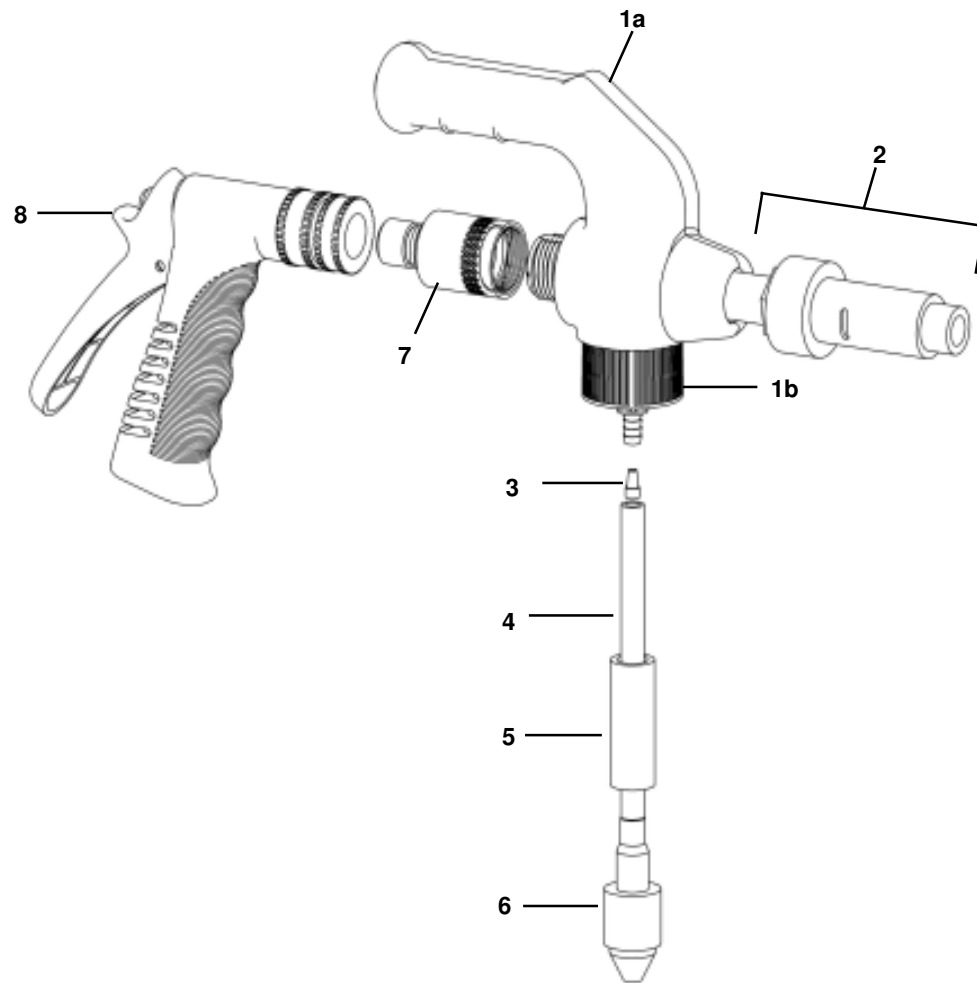
You can determine the dispensed water-to-product ratio for any metering tip size and product viscosity. All that is required is to operate the primed dispenser for a minute or so and note two things: the amount of dispensed solution, and the amount of concentrate used in preparation of the solution dispensed. The water-to-product ratio is then calculated as follows:

Dilution Ratio (X:1) where $X = \frac{\text{Amount of Mixed Solution} - \text{Amount of Concentrate Drawn}}{\text{Amount of Concentrate Drawn}}$

Dilution Ratio, then, equals X parts water to one part concentrate (X:1). If the test does not yield the desired ratio, choose a different tip and repeat the test. Alternative methods to this test are 1) pH (using litmus paper), and 2) titration. Contact your concentrate supplier for further information on these alternative methods and the materials required to perform them.

TROUBLESHOOTING CHART:

Problem	Cause	Solution
1. No discharge	a. No water b. Eductor clogged	a. Open water supply b. Clean or replace
2. No concentrate draw	a. Metering tip or eductor has scale build-up b. Low water pressure	a. Clean (descale)* or replace b. Minimum 1.76 Bar (with water running) required to operate unit properly
3. Excess concentrate draw	a. Metering tip not in place	a. Press correct tip firmly into barb on pick-up stem



Part No.	Description
1	10089269 Foamer assembly, 2.5GPM
a	Foamer body
b	Cap
2	10089275 Foamer nozzle assembly
3	690014 Metering tip kit
4	10062550 Tubing, 6mm x 600mm
5	509900 Weight
6	10076301 Footvalve, viton
7	10089280 Quick connect, male
8	10083711 Spray nozzle

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