

#7504 FOAM GUN INSTRUCTIONS

Measurement of Concentration:

You can determine the dispensed water-to-product ratio for any metering tip size and viscosity. All that is required is to operate the primed dispenser for a minute or so and not two things: the amount to dispensed water/product mixture, and the amount of concentrate used in preparation of the solution dispensed. The water-to-product ratio is then calculated as follows:

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

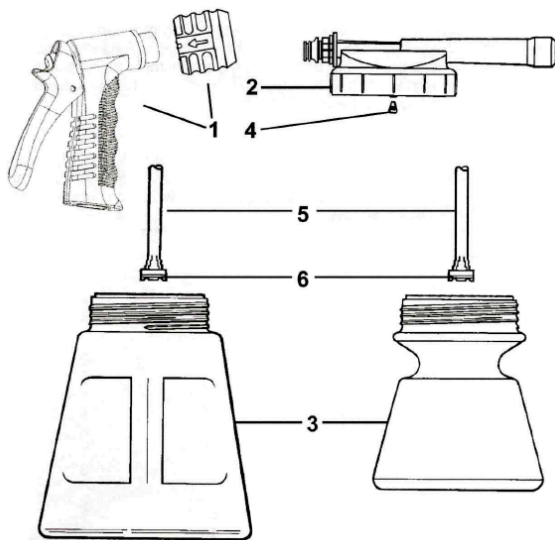
Dilution ratio, then, equals X parts water to one part concentrate (X:1). If the test does not yield the desired ratio, choose a different tip and repeat the test. Alternative methods to this test are 1) pH (using litmus paper), and 2) titration. Contact your concentrate supplier for further information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

Troubleshooting:

Problem	Cause	Remedy
1. Unit does not draw concentrate	<ul style="list-style-type: none"> a. Clogged suction tube strainer b. Metering tip orifice obstructed c. Water pressure too low d. Mineral deposits in barrel of foamer e. Clogged water inlet strainer (low water flow) 	<ul style="list-style-type: none"> a. Clean or replace b. Rinse tip or replace: Do not attempt to clean: may alter size of orifice c. Minimum 25 PSI required d. Back flush unit. Remove container, suction tube and metering tip. Put finger over barrel opening. Apply minimal water pressure through garden hose nozzle of barrel to be flushed. e. Descale foamer by soaking in weak descaling solution f. Clean or replace strainer.
2. Weak foaming action	<ul style="list-style-type: none"> a. Clogged water inlet strainer b. Water pressure too low c. Water temperature too high 	<ul style="list-style-type: none"> a. Clean or replace b. Minimum 25 PSI required c. Use lower temp water source. (Concentrate flow decreases above 140°F water)

If above steps fail to produce good concentrate draw and/or foaming action, replace lid assembly. See component chart below.

Parts List:



KEY	PART NO.	DESCRIPTION
1	10083713	Spray gun and quick disconnect
2	10061501	Foamer lid assembly
3	688201	Concentrate container - 96 oz.
	688202	Concentrate container - 48 oz.
4	690014	Metering tip kit
5	500808	Suction tube, 8"
6	609600	Foot Strainer

HOSE END FOAMER MODELS 481 AND 483

Package Contains:

1. Injection molded assembly: foaming barrel, handle, and eductor.
2. Concentrate container: Model 481 - 96 oz., Model 483 - 48 oz.
3. Suction tube/strainer.
4. Spray gun with quick disconnect assembly
5. Metering tip kit.
6. Product information 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.
- ALWAYS** observe safety and handling instructions of the chemical manufacturers.
- ALWAYS** direct discharge away from you or other persons or into approved containers.
- ALWAYS** dispense cleaners and chemicals in accordance manufacturer's instructions. Exercise CAUTION when maintaining your equipment.
- CLEAN** equipment after each use in accordance with instruction sheet.
- WEAR** protective clothing and eyewear when working in the vicinity of all chemicals, filling or emptying equipment or changing metering tips.
- ALWAYS** re-assemble equipment according to instruction procedures. Be sure all components are firmly screwed or latched into position.
- ATTACH** only to tap water outlets (85 PSI maximum).

Operation:

1. Unscrew foamer lid assembly from container.
2. Select a metering tip using the chart below as a guideline and press the tip firmly into the hose barb on the bottom of the lid assembly. Install the suction tube on the hose barb.
3. Fill the container with concentrate. Screw foamer lid assembly securely onto container.

CAUTION: Foamer lid assembly must be securely fastened to container to prevent accidental spilling of concentrate during use of foamer.

4. Insert foamer lid assembly into female quick to connect on spray gun.
5. Connect a garden hose with 3/4" male garden hose thread to the base of the spray gun handle. Turn on the water supply to the hose. (Minumum 25 PSI water pressure is required to operate the foamer.)
6. Grasp the spray gun handle in one hand and the foamer container in the other. Squeeze the spray gun handle to begin foaming. Continuous operation can be achieved by using the handle lock provided on the spray gun. Rinse by disconnecting the spray gun from the foaming lid assembly. To remove the foamer from the spray gun, simply grasp the quick connect on the spray gun in one hand and the foamer assembly in the other. Pull in opposite directions. (The outside collar around the quick connect will slide toward the spray gun, disengaging the foamer barrel.)

Metering Tip Selection:

Dilution ratios below were achieved at 40 PSI, cold water and water-thin viscosity (1.0 CP). Ratios will vary given PSI, water and ambient temperature, water flow rate, and product viscosity. At water-thin viscosity, the efficiency of the eductor is at its maximum with the black or gray tip. Removal of the foot strainer on the concentrate pick-up tube will also change these ratios. *If no tip is listed, the dilution ratio delivered falls between those shown.

Tip Color	Drill Size	Ratio	Oz/Gal
No Tip		12:1	10
Gray	30	*	*
Black	40	*	*
Beige	50	*	*
Red	55	*	*
White	57	14:1	9
Blue	60	16:1	8
Tan	65	18:1	7
Green	70	26:1	5
Orange	72	32:1	4
Brown	74	*	*
Yellow	76	42:1	3
Aqua	77	*	*
Purple	79	64:1	2
Pink	87	128:1	1