

PROPORTIONER DILUTION CHART

METERING TIP SELECTION:

The strength of the solution you get depends on two things: the size of the metering tip opening and how thick the liquid is.

- For liquids that are thin like water, you can use the chart below as a guide.
- If the product is thicker than water, follow the “Measurement of Concentration” steps below to find the right water-to-product mix.
- Keep in mind that water temperature and pressure can affect dilution. To know the exact mix, you must use the “Measurement of Concentration” procedure.
- The clear tip without a hole can be drilled if you need a dilution ratio that falls between the standard tip sizes.

Note: A 1 GPM eductor is grey. A 3.5 GPM eductor is yellow. If you're unsure of the part names, see the parts diagram.

MEASUREMENT OF CONCENTRATION:

You can find the actual water-to-product mix for any metering tip size and product thickness.

1. Run the dispenser (after it's been primed) for about one minute.
2. Record two things:
 - The total amount of mixed solution dispensed.
 - The amount of concentrate used to make that solution.
3. Use these two numbers to calculate the water-to-product ratio.

DILUTION RATIO:

(1:X) where 1 = the amount concentrate drawn and X = the amount of water.

For example, if the label instructions specify 2 oz per gallon = 2 oz of concentrate per 128 oz water = 2:128, which reduces to 1:64.

APPROXIMATE DILUTIONS AT 40 PSI FOR WATER-THIN PRODUCTS (1.0 CP)			
TIP COLOR	ORIFICE SIZE	RATIO: CHEMICAL TO WATER (PER EDUCTOR FLOW)	
		1 GPM	3.5 GPM
NO TIP	.187	1:2.6	1:4 (1:3)
GREY	.128	1:2.6	1:4 (1:3)
BLACK	.098	1:2.5	1:5
BEIGE	.070	1:3 (1:4)	1:8 (1:10)
RED	.052	1:5 (1:4)	1:16 (1:15)
WHITE	.043	1:7 (1:8)	1:20 (1:21)
BLUE	.040	1:9 (1:8)	1:26 (1:24)
TAN	.035	1:11 (1:10)	1:34 (1:30)
GREEN	.028	1:17 (1:15)	1:52
ORANGE	.025	1:19 (1:20, 1:21)	1:64 (1:60)
BROWN	.023	1:22 (1:20, 1:21)	1:71
YELLOW	.020	1:32 (1:30)	1:102
AQUA	.018	1:39	1:128 (1:120)
PURPLE	.014	1:64 (1:60)	1:213
PINK	.010	1:128 (1:120)	1:447

PROPORTIONER STICKERS:

Use the enclosed stickers to clearly label each tube/dispenser with the product name so it's easy to identify which Simple Green solution is being dispensed.



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