

HYDROMINDER DILUTION CHART

TIP COLOR	MODEL 506/511	MODEL 515	MODEL 525/530	MODEL 546/551	MODEL 560/561
No Tip	4:1	1:1	4:1	6:1	10:1
Grey	5:1	1.2:1	6:1	10:1	20:1
Black	6:1	2:1	10:1	20:1	30:1
Beige	8:1	4:1	20:1	32:1	64:1
Red	17:1	6:1	35:1	48:1	128:1
White	23:1	9:1	52:1	67:1	144:1
Blue	25:1	10:1	55:1	96:1	173:1
Tan	36:1	13:1	70:1	144:1	218:1
Green	48:1	21:1	100:1	176:1	306:1
Orange	64:1	26:1	140:1	234:1	424:1
Brown	75:1	30:1	160:1	296:1	768:1
Yellow	90:1	38:1	190:1	416:1	896:1
Purple	120:1	50:1	250:1	596:1	930:1
Pink	240:1	100:1	530:1	1024:1	1024:1

Note: Values are approximate and based upon 40 psi water pressure and water-thin viscosity.

Measurement of Concentration and Guide to Tip Selection

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 dispersed 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 supplier for further information on these alternative methods and materials required to perform them.