

# HYDROMINDER

<b>APPROXIMATE DILUTIONS AT 40 PSI FOR WATER-THIN PRODUCTS (1.0 CP)</b>							<b>CONVERSION CHART</b>	
TIP COLOR	MODEL # 506,507, & 511	MODEL # 515	MODEL # 530	MODEL # 532	MODEL # 546 & 551	MODEL # 560 & 565	Oz/Gal	Ratio
No Tip	4:1	1:1	4:1	3:1	6.5:1	8:1	1/4	512:1
Grey	5:1	1.2:1	6:1	4:1	12:1	15:1	1/2	256:1
Black	6:1	2:1	10:1	5:1	20:1	25:1	1	128:1
Beige	8:1	4:1	20:1	7:1	38:1	45:1	2	64:1
Red	17:1	6:1	35:1	12:1	68:1	80:1	3	48:1
White	23:1	9:1	52:1	17:1	95:1	110:1	4	32:1
Blue	25:1	10:1	55:1	18:1	105:1	120:1	6	24:1
Tan	36:1	13:1	70:1	24:1	130:1	160:1	8	16:1
Green	48:1	21:1	100:1	35:1	180:1	240:1	14	9:1
Orange	64:1	26:1	140:1	46:1	270:1	330:1	16	8:1
Brown	75:1	30:1	160:1	52:1	310:1	390:1	21	6:1
Yellow	90:1	38:1	190:1	62:1	380:1	460:1	32	4:1
Purple	120:1	50:1	250:1	75:1	610:1	660:1	64	2:1
Pink	240:1	100:1	530:1	195:1	1200:1	1200:1	128	1:1

Final dilution of concentrate is related to many factors, including the size of the metering tip opening and the viscosity of the liquid being siphoned. For water-thin products, consult the chart as a guideline. Use the Measurement of Concentration procedure below to test the actual dilution achieved in your application. If greater dilution of concentrate is required, an additional HydroMinder may be installed on an adjoining reservoir for two-step dilution.

## **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 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:

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

Dilution ration, then, equals X parts water to one part concentrate (X:1). If test does not yield the desired ration, choose a different tip and repeat test.