

# LAFFERTY METERING TIP CHART

- The dilution ratios provided in the Metering Tip Selection Chart, are based on water-thin chemical with a consistent water pressure of 40 PSI. (Fluctuating water pressures alter dilution ratios.) Use the Metering Tip Selection Formula if you have water pressure other than 40 PSI.
- Due to varying chemical viscosities, you may need to increase the metering tip size. Always verify concentration using Standard Titration Methods.

## METERING TIP SELECTION

Metering Tip Color	Oz per Min	Dilution Ratio @ 40 PSI
Brown	0.84	204:1
Clear	1.16	148:1
Bright Purple	1.4	123:1
White	2.0	86:1
Pink	2.7	64:1
Corn Yellow	3.4	50:1
Dark Green	4.0	43:1
Orange	5.3	32:1
Gray	6.1	28:1
Light Green	7.0	25:1
Med. Green	8.5	20:1
Clear Pink	9.2	19:1
Yellow Green	11.2	15:1
Burgundy	12.5	14:1
Pale Pink	12.9	13:1
Light Blue	14.2	12:1
Dark Purple	17.6	10:1
Navy Blue	21.4	8:1
Clear Aqua	-	-
Black	-	-
No Tip	26.0	6:6:1

Note: The dilution ratios provided above are approximate values. Your actual dilution ratio may be higher or lower due to variation in chemical viscosity.

## METERING TIP SELECTION FORMULA

(GPM x 128) ← See chart below for GPM and convert to oz. per min  
 ÷  
 Dilution Ratio ← 20:1, 30:1, etc  
 =  
 OZ. Per Min ← Match to nearest number in the chart above.

## WATER FLOW RATE CHART

Water Pressure	Water Flow Rater
PSI	GPM
30	1.29
40	1.34
50	1.46
60	1.54
70	1.59
80	1.76
90	1.80
100	1.91

# METERING TIPS

The following chart is to be used as a guide.  
The list shows orifices in ascending order  
from smallest (Brown) to largest (Black).

*Actual dilution ratios will depend on the water flow  
rate through the venturi and viscosity of the chemical.*



Orifice hex head 7/32"  
Threads 8/32"

The number under each color in the chart below represents the average ounces of water-thin chemical which will pass through the tip per minute.																				
METERING TIP SELECTION IN OUNCES PER MINUTE (AVERAGE)																				
COLOR	Brown	Clear	Bright Purple	White	Pink	Corn Yellow	Dark Green	Orange	Gray	Light Green	Medium Green	Clear Pink	Yellow Green	Burgandy	Pale Pink	Light Blue	Dark Purple	Navy Blue	Clear Aqua	Black
<b>Thin Chemical</b>	0.56	0.88	1.38	2.15	2.93	3.84	4.88	5.77	6.01	7.01	8.06	9.43	11.50	11.93	13.87	15.14	17.88	25.36	28.60	50.00