

Helpful Information

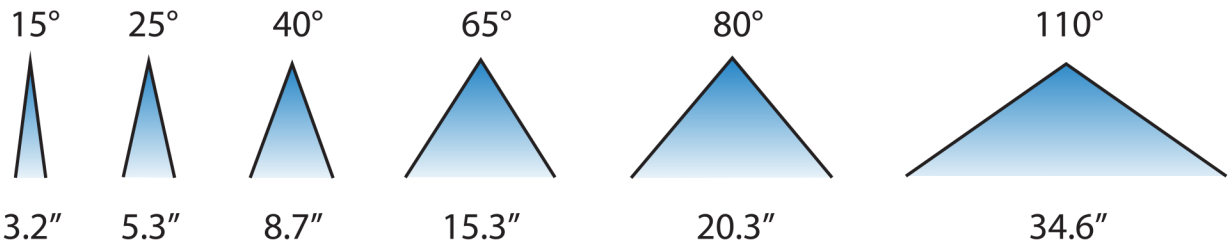


METERING PLUG ASSEMBLIES

Draw Volume in ml in a given time

Length	ml in 30s	ml in 25s	ml in 15s
3.00"	1.9	1.6	0.9
2.00"	2.6	2.2	1.3
1.00"	4.6	3.8	2.3
0.75"	5.7	4.8	2.9
0.50"	8.0	6.6	4.0
0.25"	13.9	11.6	7.0

NOZZLE COVERAGE (at 12 inches)



Conveyor Speed Chart based on conveyor movement in 15 seconds

60 inches (5')	= 60 cars per hour
90 inches (7.5')	= 90 cars per hour
120 inches (10')	= 120 cars per hour
150 inches (12.5')	= 150 cars per hour
180 inches (15')	= 180 cars per hour

Conversions and other helpful math

1 gal. = 128 oz.	55 gal. = 7,040 oz.
5 gal. = 640 oz.	1 qt. = 32 oz.
30 gal. = 3,840 oz.	4 qt. = 1 gal.
0.5 oz. per car = 14,080 cars per 55 gal. drum	
1.0 oz. per car = 7,040 cars per 55 gal. drum	
1.5 oz. per car = 4,693 cars per 55 gal. drum	

NOZZLE CHART - Volume (GPM at various PSI)

	NOZZLE SIZE	ORIFICE DIM. IN.	40 PSI	100 PSI	250 PSI	500 PSI	700 PSI	800 PSI	1,000 PSI
H-VV Small Capacity 1/8"-1/4"	0.05	0.02	0.05	0.08	0.12	0.18	0.20	0.23	0.25
	0.067	0.02	0.07	0.11	0.16	0.24	0.28	0.30	0.33
H-VVL Integral Strainer 1/8"-1/4"	1.00	0.03	0.10	0.16	0.25	0.35	0.40	0.43	0.50
	2.00	0.03	0.20	0.32	0.50	0.71	0.80	0.89	1.00
	3.00	0.04	0.30	0.47	0.75	1.10	1.25	1.35	1.50
	4.00	0.05	0.40	0.63	1.00	1.40	1.70	1.80	2.00
H-U Med Capacity 1/8"-3/4"	5.00	0.06	0.50	0.79	1.30	1.80	2.10	2.20	2.50
	6.00	0.06	.60	.95	1.50	2.10	2.50	2.70	3.00
	8.00	0.07	0.80	1.30	2.00	2.80	3.40	3.60	4.00
	10.00	0.08	1.00	1.60	2.50	3.50	4.20	4.50	5.00
U Lg Capacity 1"-2"	15.00	0.09	1.50	2.40	3.80	5.30	6.40	6.80	7.50
	20.00	.11	2.00	3.20	5.00	7.10	8.40	9.00	10.00
	40.00	0.16	4.00	6.30	10.00	14.20	16.80	18.00	20.00

Hydrominder Tip Chart

All ratios calculated using 40 psi at water viscosity

ULTRA-LEAN

Tip Color	511	515	546	Dia.
Lt Orange	1:1030			
Red/Purple	1:880			
Olive	1:530			
Lt Purple	1:465			
Pink	1:355			
Pink	1:240	1:152	1:1024	.010
Purple	1:120	1:104	1:596	.014
Aqua	1:100			
Yellow	1:90	1:48	1:416	.020
Brown	1:75	1:40	1:296	.023
Orange	1:64	1:33	1:234	.025
Green	1:48	1:24	1:176	.029
Tan	1:36	1:16	1:144	.035
Blue	1:25	1:12	1:96	.040
White	1:23	1:10	1:67	.043
Red	1:17	1:7	1:48	.052
Beige	1:8	1:4	1:32	.070
Black	1:6	1:2	1:20	.098
Gray	1:5	1:5.1	1:10	.128
No Tip	1:4	1:1	1:6	OPEN

Volumes at Various Pressures

Size	40 psi	800 psi	1,000 psi
03	0.3 GPM	1.25 GPM	1.5 GPM
04	.4 GPM	1.70 GPM	2.0 GPM
05	.5 GPM	2.10 GPM	2.5 GPM
10	1.0 GPM	4.20 GPM	5.0 GPM

Hydra-Flex® PLUGS/TIPS - Chemical to Water Dilution Ratios

PLUG LENGTH	.029" 0.25 GPM	.040" 0.50 GPM	.051" 0.75 GPM	.057" 0.97 GPM	.070" 1.41 GPM	.083" 2.10 GPM	.086" 2.30 GPM	.098" 3.20 GPM	.125" 5.40 GPM
3.00"	1:251	1:503	1:754	1:1006	1:1509	1:2012	1:2263	1:3269	1:5532
2.00"	1:181	1:363	1:544	1:726	1:1089	1:1451	1:1633	1:2359	1:3991
1.00"	1:104	1:208	1:311	1:415	1:623	1:831	1:934	1:1350	1:2284
0.75"	1:82	1:165	1:247	1:329	1:494	1:659	1:741	1:1071	1:1812
0.50"	1:59	1:119	1:178	1:238	1:357	1:475	1:535	1:772	1:1307
0.25"	1:34	1:68	1:102	1:136	1:204	1:272	1:306	1:442	1:748
METERING TIP COLOR									
ULTRA-LEAN									
Copper	1:57	1:104	1:155	1:146	1:281	1:406	1:458	1:629	1:1074
Pumpkin	1:43	1:82	1:119	1:126	1:238	1:348	1:396	1:554	1:946
Burgundy	1:34	1:67	1:97	1:111	1:207	1:304	1:367	1:495	1:845
Lime	1:28	1:57	1:81	1:100	1:183	1:270	1:347	1:447	1:784
Tan	1:28	1:37	1:81	1:100	1:183	1:270	1:307	1:447	1:764
Orange	1:23	1:29	1:64	1:78	1:137	1:196	1:215	1:314	1:535
Turquoise	1:17	1:21	1:45	1:55	1:91	1:126	1:134	1:197	1:336
Pink	1:14	1:16	1:35	1:42	1:68	1:93	1:98	1:143	1:244
Lt Blue	1:11	1:12	1:24	1:31	1:47	1:64	1:66	1:93	1:166
Brown	1:10	1:12	1:22	1:28	1:43	1:58	1:59	1:88	1:150
Red		1:10	1:17	1:23	1:34	1:45	1:46	1:69	1:116
White			1:16	1:22	1:31	1:42	1:43	1:64	1:108
Green			1:14	1:20	1:28	1:37	1:38	1:55	1:94
Blue			1:12	1:17	1:23	1:30	1:31	1:46	1:77
Yellow			1:9	1:12	1:16	1:20	1:22	1:31	1:52
Black				1:10	1:13	1:16	1:17	1:24	1:40
Purple				1:6.6	1:8.3	1:9	1:10	1:13	1:21
Gray				1:5.3	1:6.7	1:6.9	1:7.6	1:10	1:16
Open				1:4.9	1:5.3	1:5.2	1:6	1:6.1	1:10

Chemical draw rates are based on a viscosity equal to water. Actual draw rates may vary. Field tests are recommended.