SPIRAL METERING PLUG
INSTALLATION AND CHEMICAL USAGE

P/N 1001290

Meters even greater ratios than ultra lean tips. Pack includes (10) spiral plugs, to be inserted into 3/8" Poly Flow (LLDPE) tubing, just prior to the injector. Dilution ratios are determined by plug length as seen below.

INSTALLATION (SEE IMAGE BELOW FOR EXAMPLE OF ASSEMBLIES)

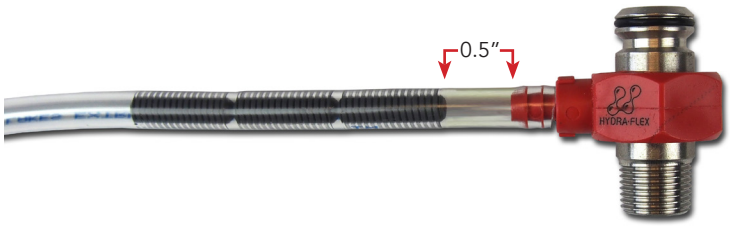
1. Press Metering plug(s) into injector end of flexible chemical line such that it is about 0.5 inches from the end.
2. Push the end of the tubing that contains the metering plug onto the Chem-Flex™ Injector hose barb.

NOTE: 3/8" Polyflow (LLDPE) tubing is required to ensure a seal between the tube wall and the Spiral Metering Plug.

NOTE: Multiple Metering Plugs can be used back to back to reach lower draw rates – as shown in the image below.

**Remove all standard metering tips when using a Metering Plug in an application.

EXAMPLE OF METERING PLUG ASSEMBLIES



DRAW VOLUME IN ML IN GIVEN TIME			
L (In)	**Ml In 30 Seconds**	**Ml In 25 Seconds**	**Ml In 15 Seconds**
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

	SPIRAL METERING PLUGS															
Flow Rate (GPM) at 200 PSI	0.25	0.50	0.75	1.00	1.50	2.00	2.25	3.00	3.25	3.75	4.50	5.50	8.0	10.0	12.0	15.0
Injector Color →	White	Yellow	Tan	Red	Orange	Gray	Blue	Light Blue	Light Green	Pink	Purple	Dark Green	Black	Black	Black	Black
Nozzle Size →	0.029" (0.7 mm)	0.040" (1.0 mm)	0.051" (1.3 mm)	0.057" (1.4 mm)	0.070" (1.8 mm)	0.083" (2.1 mm)	0.086" (2.2 mm)	0.095" (2.4 mm)	0.098" (2.5 mm)	0.106" (2.7 mm)	0.117" (2.9 mm)	0.125" (3.2 mm)	0.161" (4.1 mm)	0.117" (4.5 mm)	0.186" (4.7 mm)	0.207" (5.3 mm)
Spiral Plug Length 3.00"	1: 251	1: 503	1: 754	1: 1006	1: 1509	1: 2012	1: 2263	1: 2416	1: 2460	1: 2628	1: 4526	1: 5532	1: 8047	1: 10059	1: 12070	1: 15088
2.00"	1: 181	1: 363	1: 544	1: 726	1: 1089	1: 1451	1: 1633	1: 1402	1: 1337	1: 1510	1: 3266	1: 3991	1: 5806	1: 7257	1: 8708	1: 10885
1.00"	1: 104	1: 208	1: 311	1: 415	1: 623	1: 831	1: 934	1: 835	1: 778	1: 898	1: 1869	1: 2284	1: 3322	1: 4153	1: 4983	1: 6229
0.75"	1: 82	1: 165	1: 247	1: 329	1: 494	1: 659	1: 741	1: 642	1: 668	1: 755	1: 1483	1: 1812	1: 2636	1: 3295	1: 3954	1: 4942
0.50"	1: 59	1: 119	1: 178	1: 238	1: 357	1: 475	1: 535	1: 487	1: 496	1: 558	1: 1069	1: 1307	1: 1901	1: 2376	1: 2852	1: 3564
0.25"	1: 34	1: 68	1: 102	1: 136	1: 204	1: 272	1: 306	1: 282	1: 304	1: 344	1: 612	1: 748	1: 1088	1: 1360	1: 1632	1: 2040

NOTE: Dilution ratios given above are based on drawing water through the metering tips and are meant as a starting point for system configuration. Results are expected to vary when drawing chemicals due to differences in viscosity and temperature.

****Remove all standard metering tips when using a Metering Plug in an application. 3/8" Polyflow (LLDPE) tubing is required to ensure a seal between the tube wall and the flats on the OD of the Meter Plug.*

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