Dilution Rates: Iota with a DEMA Rocket Injector at 200 PSI

Nozzle size	0.029"			0.040"			0.051"		
Flow Rate @ 200 PSI (GPM)	0.30			0.55			0.85		
Viscosity	1cP	50 cP	120 cP	1cP	50 cP	120 cP	1cP	50 cP	120 cP
4R	1:111	1:1,027	1:2,596	1:204	1:1,884	1:4,760	1:315	1:2,912	1:7,356
3R	1:72	1:789	1:1,975	1:133	1:1,447	1:3,622	1:206	1:2,237	1:5,598
2R	1:64	1:632	1:1,509	1:117	1:1,160	1:2,768	1:182	1:1,793	1:4,278
4Y	1:60	1:599	1:1,411	1:111	1:1,099	1:2,589	1:172	1:1,698	1:4,001
3Y	1:46	1:435	1:1,166	1:85	1:799	1:2,138	1:132	1:1,235	1:3,305
2Y	1:33	1:331	1:936	1:61	1:607	1:1,717	1:95	1:939	1:2,654
4G	1:36	1:340	1:948	1:67	1:624	1:1,738	1:104	1:964	1:2,687
3G	1:31	1:271	1:811	1:58	1:498	1:1,488	1:90	1:771	1:2,299
2G	1:23	1:197	1:603	1:44	1:361	1:1,107	1:68	1:559	1:1,712
4B	1:20	1:155	1:444	1:37	1:284	1:815	1:58	1:440	1:1,260
3B	1:17	1:127	1:368	1:31	1:233	1:676	1:49	1:361	1:1,045
2B	1:12	1:85	1:259	1:23	1:156	1:475	1:37	1:242	1:735
4P	1:12	1:69	1:176	1:22	1:127	1:324	1:35	1:197	1:502
3P	1:10	1:60	1:144	1:19	1:110	1:265	1:29	1:171	1:409
2P	1:8	1:40	1:99	1:15	1:74	1:182	1:24	1:115	1:281
1P	1:5	1:21	1:53	1:10	1:39	1:97	1:15	1:61	1:151

No Tools Required!

Hand tighten fittings so that arrows are aligned.

Nozzle size	0.057"			0.070"			0.083"			0.086"		
Flow Rate @ 200 PSI (GPM)	1.14			1.66			2.40			2.55		
Viscosity	1cP	50 cP	120 cP	1cP	50 cP	120 cP	1cP	50 cP	120 cP	1cP	50 cP	120 cP
4R	1:419	1:3,469	1:10,970	1:614	1:6,713	1:14,280	1:892	1:8,225	1:20,773	1:918	1:8,754	1:26,325
3R	1:270	1:2,483	1:8,193	1:401	1:5,940	1:12,083	1:585	1:6,318	1:15,808	1:611	1:8,139	1:15,568
2R	1:240	1:2,103	1:5,393	1:361	1:4,224	1:7,920	1:516	1:5,065	1:12,080	1:530	1:6,662	1:12,374
4Y	1:231	1:2,236	1:5,017	1:331	1:3,813	1:7,363	1:488	1:4,797	1:11,299	1:500	1:6,353	1:13,043
3Y	1:179	1:1,572	1:4,045	1:266	1:2,572	1:6,120	1:374	1:3,490	1:9,333	1:375	1:4,467	1:10,054
2Y	1:127	1:1,262	1:3,575	1:186	1:2,076	1:5,207	1:270	1:2,652	1:7,495	1:280	1:3,156	1:7,868
4G	1:134	1:1,296	1:3,409	1:207	1:2,094	1:5,067	1:296	1:2,724	1:7,588	1:307	1:3,309	1:8,466
3G	1:120	1:990	1:2,889	1:179	1:1,716	1:4,343	1:255	1:2,178	1:6,494	1:263	1:2,664	1:7,203
2G	1:94	1:778	1:2,101	1:132	1:1,089	1:3,079	1:195	1:1,579	1:4,835	1:202	1:1,752	1:4,842
4B	1:79	1:617	1:1,613	1:114	1:917	1:2,410	1:165	1:1,244	1:3,561	1:172	1:1,461	1:3,902
3B	1:66	1:491	1:1,409	1:98	1:748	1:2,030	1:140	1:1,022	1:2,951	1:144	1:1,148	1:3,028
2B	1:50	1:331	1:1,006	1:71	1:491	1:1,483	1:105	1:685	1:2,078	1:112	1:793	1:2,021
4P	1:47	1:275	1:673	1:70	1:401	1:981	1:101	1:558	1:1,419	1:107	1:616	1:1,507
3P	1:39	1:238	1:549	1:58	1:347	1:801	1:84	1:483	1:1,158	1:90	1:534	1:1,230
2P	1:32	1:161	1:378	1:47	1:235	1:550	1:69	1:327	1:796	1:73	1:362	1:846
1P	1:21	1:86	1:203	1:31	1:126	1:296	1:45	1:175	1:428	1:48	1:194	1:455

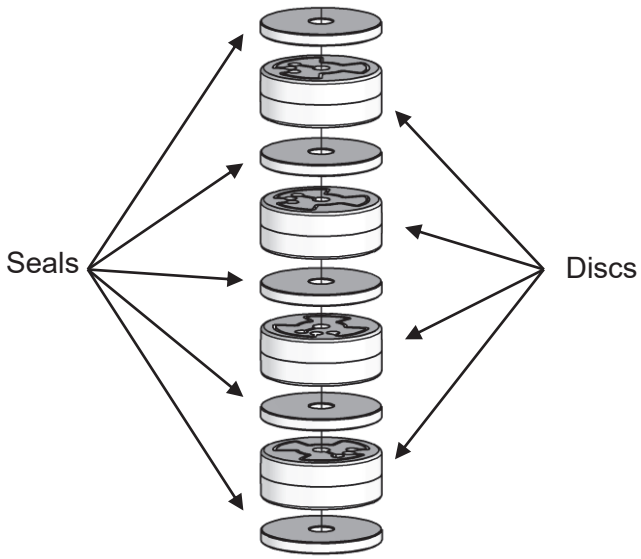
Nozzle size	0.098"			0.116"			0.125"			0.136"		
Flow Rate @ 200 PSI (GPM)	3.15			4.30			5.10			6.10		
Viscosity	1cP	50 cP	120 cP	1cP	50 cP	120 cP	1cP	50 cP	120 cP	1cP	50 cP	120 cP
4R	1:1,151	1:9,893	1:25,834	1:1,599	1:14,737	1:37,218	1:2,027	1:19,182	1:39,626	1:2,268	1:20,906	1:52,799
3R	1:769	1:8,691	1:20,900	1:1,048	1:11,320	1:28,324	1:1,303	1:14,272	1:32,735	1:1,487	1:16,059	1:40,181
2R	1:680	1:7,018	1:17,223	1:925	1:9,076	1:21,644	1:1,140	1:11,809	1:30,116	1:1,312	1:12,875	1:30,705
4Y	1:641	1:7,018	1:16,035	1:875	1:8,596	1:20,244	1:1,100	1:10,243	1:25,307	1:1,242	1:12,195	1:28,719
3Y	1:480	1:5,470	1:13,478	1:671	1:6,254	1:16,722	1:830	1:8,319	1:22,474	1:952	1:8,873	1:23,723
2Y	1:352	1:4,043	1:10,276	1:485	1:4,752	1:13,429	1:597	1:5,618	1:16,547	1:688	1:6,742	1:19,051
4G	1:397	1:3,819	1:10,690	1:532	1:4,882	1:13,597	1:655	1:5,870	1:17,014	1:755	1:6,926	1:19,289
3G	1:331	1:3,024	1:9,117	1:458	1:3,903	1:11,637	1:560	1:4,810	1:14,835	1:650	1:5,537	1:16,508
2G	1:253	1:2,330	1:7,717	1:349	1:2,830	1:8,663	1:426	1:3,654	1:11,809	1:496	1:4,016	1:12,290
4B	1:211	1:1,702	1:4,933	1:297	1:2,229	1:6,381	1:367	1:2,669	1:8,073	1:422	1:3,162	1:9,052
3B	1:184	1:1,481	1:3,940	1:252	1:1,831	1:5,288	1:302	1:2,279	1:6,922	1:358	1:2,598	1:7,503
2B	1:138	1:955	1:2,830	1:189	1:1,228	1:3,723	1:229	1:1,554	1:4,802	1:269	1:1,743	1:5,282
4P	1:133	1:762	1:1,937	1:182	1:1,000	1:2,542	1:216	1:1,234	1:3,136	1:258	1:1,419	1:3,607
3P	1:111	1:660	1:1,581	1:152	1:867	1:2,075	1:180	1:1,069	1:2,560	1:216	1:1,230	1:2,944
2P	1:90	1:447	1:1,087	1:124	1:587	1:1,427	1:147	1:725	11,760	1:176	1:834	1:2,025
1P	1:59	1:239	1:585	1:82	1:315	1:768	1:97	1:388	1:948	1:116	1:447	1:1,090

FIELD TESTS ARE RECOMMENDED TO VERIFY DILUTION RATES.

Dilution Rates: Iota with DEMA Proportioners at 40 PSI

Chemical Viscosity	1 cP			50 cP			120 cP		
Flow Rate	1 GPM	2.5 GPM	4 GPM	1 GPM	2.5 GPM	4 GPM	1 GPM	2.5 GPM	4 GPM
4R	1: 318	1: 663	1: 932	1: 7,054	1: 14,682	1: 20,647	1: 15,519	1: 32,301	1: 45,424
3R	1: 303	1: 631	1: 887	1: 4,476	1: 9,317	1: 13,102	1: 11,639	1: 24,226	1: 34,068
2R	1: 239	1: 498	1: 701	1: 2,615	1: 5,443	1: 7,655	1: 6,651	1: 13,843	1: 19,467
4Y	1: 207	1: 432	1: 607	1: 3,526	1: 7,340	1: 10,323	1: 7,274	1: 15,141	1: 21,292
3Y	1: 167	1: 349	1: 491	1: 2,873	1: 5,981	1: 8,411	1: 5,677	1: 11,817	1: 16,618
2Y	1: 125	1: 262	1: 368	1: 1,861	1: 3,875	1: 5,450	1: 2,557	1: 5,324	1: 7,487
4G	1: 145	1: 303	1: 426	1: 1,955	1: 4,071	1: 5,725	1: 4,232	1: 8,809	1: 12,388
3G	1: 118	1: 247	1: 347	1: 1,491	1: 3,105	1: 4,367	1: 3,278	1: 6,823	1: 9,596
2G	1: 89	1: 186	1: 262	1: 1,011	1: 2,106	1: 2,961	1: 2,135	1: 4,444	1: 6,250
4B	1: 76	1: 159	1: 224	1: 733	1: 1,527	1: 2,148	1: 1,847	1: 3,844	1: 5,407
3B	1: 63	1: 132	1: 185	1: 520	1: 1,083	1: 1,523	1: 1,368	1: 2,849	1: 4,007
2B	1: 49	1: 104	1: 146	1: 340	1: 709	1: 998	1: 934	1: 1,945	1: 2,735
4P	1: 46	1: 98	1: 138	1: 309	1: 645	1: 907	1: 743	1: 1,547	1: 2,176
3P	1: 39	1: 83	1: 117	1: 232	1: 485	1: 682	1: 557	1: 1,161	1: 1,633
2P	1: 31	1: 65	1: 92	1: 161	1: 336	1: 473	1: 374	1: 781	1: 1,098
1P	1: 21	1: 44	1: 62	1: 82	1: 173	1: 243	1: 195	1: 408	1: 574

FIELD TESTS ARE RECOMMENDED TO VERIFY DILUTION RATES.

Disc Configurations

4R	3R	2R	4Y	3Y	2Y	4G	3G	2G	4B	3B	2B	4P	3P	2P	1P
RED	WHT	WHT	YLW	WHT	WHT	GRN	WHT	WHT	BLU	WHT	WHT	PUR	WHT	WHT	WHT
RED	RED	WHT	YLW	YLW	WHT	GRN	GRN	WHT	BLU	BLU	WHT	PUR	PUR	WHT	WHT
RED	RED	RED	YLW	YLW	YLW	GRN	GRN	GRN	BLU	BLU	BLU	PUR	PUR	PUR	WHT
RED	RED	RED	YLW	YLW	YLW	GRN	GRN	GRN	BLU	BLU	BLU	PUR	PUR	PUR	PUR