



TeeJet® Flow Regulators

Flow Regulators are usually mounted behind cultivator shanks for the subsurface application of liquid fertilizers and soil fumigants. They are also used for above-ground streaming applications.

How to order:

Specify orifice plate number.
Example: CP4916-008

Typical Assembly



Note: Always insert Orifice Plate with side marked with number facing the outlet.
MATERIAL: Stainless Steel

To determine the orifice plates you need, use the following equations:

$$\text{GPM (Per Nozzle)} = \frac{\text{GPA} \times \text{MPH} \times \text{W}}{5,940}$$

$$\text{GPA} = \frac{5,940 \times \text{GPM (Per Nozzle)}}{\text{MPH} \times \text{W}}$$

- W = Nozzle spacing (in inches) for broadcast spraying.
- = Spray width (in inches) for single nozzle, band spraying or boomless spraying.
- = Row spacing (in inches) divided by the number of nozzles per row for directed spraying.

Tabulated flow rates are for spraying water into air at atmospheric pressure. If your application creates backpressure, or if spraying into a liquid, measure and calibrate to ensure proper application rates. For spraying solutions other than water, see page 125 for conversion factors.

	GPM							
	5 PSI	10 PSI	20 PSI	30 PSI	40 PSI	50 PSI	60 PSI	
CP4916-008	0.003	0.004	0.006	0.007	0.008	0.009	0.010	
CP4916-10	0.005	0.007	0.009	0.011	0.013	0.015	0.016	
CP4916-12	0.007	0.010	0.013	0.016	0.019	0.021	0.023	
CP4916-14	0.009	0.013	0.018	0.022	0.025	0.028	0.031	
CP4916-15	0.010	0.015	0.021	0.025	0.029	0.032	0.036	
CP4916-16	0.012	0.017	0.023	0.029	0.033	0.037	0.040	
CP4916-18	0.015	0.021	0.030	0.036	0.042	0.047	0.051	
CP4916-20	0.018	0.026	0.037	0.045	0.052	0.058	0.064	
CP4916-22	0.022	0.031	0.043	0.053	0.061	0.068	0.075	
CP4916-24	0.026	0.037	0.052	0.064	0.074	0.083	0.091	
CP4916-25	0.028	0.040	0.056	0.068	0.079	0.088	0.097	
CP4916-26	0.030	0.043	0.061	0.074	0.086	0.096	0.105	
CP4916-27	0.032	0.046	0.064	0.079	0.091	0.102	0.111	
CP4916-28	0.035	0.049	0.069	0.085	0.098	0.110	0.120	
CP4916-29	0.038	0.054	0.076	0.094	0.108	0.121	0.132	
CP4916-30	0.040	0.057	0.081	0.099	0.114	0.127	0.140	
CP4916-31	0.043	0.062	0.087	0.107	0.123	0.138	0.151	
CP4916-32	0.048	0.068	0.095	0.117	0.135	0.151	0.165	
CP4916-34	0.052	0.074	0.104	0.127	0.147	0.164	0.180	
CP4916-35	0.056	0.079	0.111	0.136	0.157	0.176	0.192	
CP4916-37	0.061	0.086	0.122	0.149	0.172	0.192	0.211	
CP4916-39	0.068	0.096	0.135	0.165	0.191	0.214	0.234	
CP4916-40	0.072	0.102	0.144	0.177	0.204	0.228	0.250	
CP4916-41	0.075	0.106	0.149	0.183	0.211	0.236	0.258	
CP4916-43	0.082	0.116	0.163	0.200	0.231	0.258	0.283	
CP4916-45	0.088	0.125	0.177	0.217	0.250	0.280	0.306	
CP4916-46	0.095	0.135	0.191	0.234	0.270	0.302	0.331	

	GPM							
	5 PSI	10 PSI	20 PSI	30 PSI	40 PSI	50 PSI	60 PSI	
CP4916-47	0.097	0.138	0.194	0.238	0.275	0.307	0.337	
CP4916-48	0.101	0.143	0.202	0.248	0.286	0.320	0.350	
CP4916-49	0.104	0.148	0.209	0.255	0.295	0.330	0.361	
CP4916-51	0.116	0.165	0.233	0.285	0.329	0.368	0.403	
CP4916-52	0.118	0.168	0.237	0.290	0.335	0.375	0.410	
CP4916-54	0.127	0.180	0.255	0.312	0.360	0.402	0.441	
CP4916-55	0.133	0.189	0.267	0.326	0.377	0.421	0.462	
CP4916-57	0.141	0.200	0.283	0.346	0.400	0.447	0.490	
CP4916-59	0.153	0.217	0.306	0.375	0.433	0.484	0.530	
CP4916-61	0.165	0.233	0.330	0.404	0.466	0.521	0.571	
CP4916-63	0.174	0.246	0.347	0.425	0.491	0.549	0.601	
CP4916-65	0.185	0.261	0.369	0.452	0.522	0.584	0.639	
CP4916-67	0.196	0.278	0.392	0.481	0.555	0.621	0.680	
CP4916-68	0.203	0.287	0.405	0.496	0.573	0.641	0.702	
CP4916-70	0.216	0.306	0.433	0.530	0.612	0.684	0.750	
CP4916-72	0.226	0.320	0.453	0.554	0.640	0.716	0.784	
CP4916-73	0.233	0.330	0.467	0.572	0.660	0.738	0.808	
CP4916-75	0.245	0.347	0.491	0.601	0.694	0.776	0.850	
CP4916-78	0.272	0.385	0.544	0.667	0.770	0.861	0.943	
CP4916-80	0.280	0.397	0.561	0.687	0.793	0.887	0.971	
CP4916-81	0.290	0.411	0.581	0.711	0.821	0.918	1.01	
CP4916-83	0.317	0.449	0.634	0.777	0.897	1.00	1.10	
CP4916-86	0.332	0.470	0.664	0.813	0.939	1.05	1.15	
CP4916-89	0.346	0.490	0.693	0.849	0.980	1.10	1.20	
CP4916-91	0.369	0.523	0.739	0.905	1.05	1.17	1.28	
CP4916-93	0.387	0.547	0.774	0.947	1.09	1.22	1.34	
CP4916-95	0.404	0.572	0.808	0.990	1.14	1.28	1.40	

	GPM							
	5 PSI	10 PSI	20 PSI	30 PSI	40 PSI	50 PSI	60 PSI	
CP4916-98	0.442	0.625	0.884	1.08	1.25	1.40	1.53	
CP4916-103	0.461	0.653	0.923	1.13	1.31	1.46	1.60	
CP4916-107	0.518	0.733	1.04	1.27	1.47	1.64	1.79	
CP4916-110	0.548	0.775	1.10	1.34	1.55	1.73	1.90	
CP4916-115	0.605	0.855	1.21	1.48	1.71	1.91	2.09	
CP4916-120	0.629	0.890	1.26	1.54	1.78	1.99	2.18	
CP4916-125	0.693	0.980	1.39	1.70	1.96	2.19	2.40	
CP4916-128	0.721	1.02	1.44	1.77	2.04	2.28	2.50	
CP4916-132	0.774	1.10	1.55	1.90	2.19	2.45	2.68	
CP4916-136	0.840	1.19	1.68	2.06	2.38	2.66	2.91	
CP4916-140	0.894	1.27	1.79	2.19	2.53	2.83	3.10	
CP4916-144	0.926	1.31	1.85	2.27	2.62	2.93	3.21	
CP4916-147	0.953	1.35	1.91	2.33	2.70	3.01	3.30	
CP4916-151	1.04	1.47	2.08	2.55	2.94	3.29	3.60	
CP4916-156	1.10	1.55	2.20	2.69	3.11	3.47	3.80	
CP4916-161	1.15	1.63	2.31	2.83	3.27	3.65	4.00	
CP4916-166	1.21	1.72	2.43	2.97	3.43	3.84	4.20	
CP4916-170	1.30	1.84	2.61	3.19	3.69	4.12	4.51	
CP4916-172	1.36	1.92	2.71	3.32	3.84	4.29	4.70	
CP4916-177	1.41	2.00	2.83	3.46	4.00	4.47	4.90	
CP4916-182	1.47	2.08	2.95	3.61	4.17	4.66	5.10	
CP4916-187	1.56	2.21	3.12	3.82	4.41	4.93	5.40	
CP4916-196	1.73	2.45	3.46	4.24	4.90	5.47	6.00	
CP4916-205	1.88	2.65	3.75	4.59	5.31	5.93	6.50	
CP4916-218	2.11	2.98	4.21	5.16	5.96	6.66	7.30	
CP4916-234	2.45	3.47	4.91	6.01	6.94	7.76	8.50	
CP4916-250	2.83	4.00	5.66	6.93	8.00	8.94	9.80	

Note: Always double check your application rates. Tabulations are based on spraying water at 70°F (21°C). See pages 124–140 for useful formulas and other information.