

# TeeJet®

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.

To find the GPA rate for spacings other than 30", multiply the rate in the table by the conversion factor for that spacing.

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

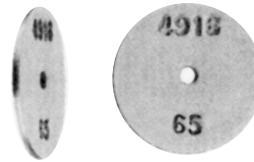
$$\text{GPM (Per nozzle)} = \frac{\text{GPA} \times \text{mph} \times \text{W}}{5,940}$$

= Spray width (in inches) for single nozzle, band spraying or boomless spraying

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

= Flow spacing (in inches) divided by the number of nozzles per row for directed spraying.

Conversion Factors Based on 30" Spacing										
Other Spacing	8"	10"	12"	14"	15"	18"	20"	22"	28"	36"
Conversion Factors	3.75	3.00	2.50	2.14	2.00	1.67	1.50	1.36	1.07	0.83



**NOTE: Always insert Orifice Plate with side marked with number facing the outlet of the nozzle body.**

**MATERIAL: Stainless Steel**

### HOW TO ORDER: Example

TJ/	Description	Price
CP4916 -	Stainless Steel	2.96

Orifice Plate No.	Pressure in PSI	Capacity 1 Nozzle in GPM	Gallons Per Acre* 30" Row Spacing				
			4 mph	5 mph	6 mph	8 mph	10 mph
4916-8	5	.003	0.15	0.12	0.10	0.07	0.06
	10	.004	0.20	0.16	0.13	0.10	0.08
	20	.006	0.30	0.24	0.20	0.15	0.12
	30	.007	0.35	0.28	0.23	0.17	0.14
4916-10	5	.005	0.25	0.20	0.17	0.12	0.10
	10	.006	0.35	0.28	0.23	0.17	0.14
	20	.009	0.45	0.36	0.30	0.22	0.18
	30	.011	0.54	0.44	0.36	0.27	0.22
4916-12	5	.007	0.35	0.28	0.23	0.17	0.14
	10	.009	0.50	0.40	0.33	0.25	0.20
	20	.013	0.64	0.51	0.43	0.32	0.26
	30	.016	0.79	0.63	0.53	0.40	0.32
4916-14	5	.009	0.45	0.36	0.30	0.22	0.18
	10	.013	0.64	0.51	0.43	0.32	0.26
	20	.018	0.89	0.71	0.59	0.45	0.36
	30	.022	1.1	0.87	0.73	0.54	0.44
4916-15	5	.010	0.50	0.40	0.33	0.25	0.20
	10	.014	0.74	0.59	0.50	0.37	0.30
	20	.020	1.0	0.83	0.69	0.52	0.42
	30	.025	1.2	0.99	0.83	0.62	0.50
4916-16	5	.012	0.59	0.48	0.40	0.30	0.24
	10	.016	0.84	0.67	0.56	0.42	0.34
	20	.023	1.1	0.91	0.76	0.57	0.46
	30	.028	1.4	1.1	0.96	0.72	0.57
4916-18	5	.015	0.74	0.59	0.50	0.37	0.30
	10	.021	1.0	0.83	0.69	0.52	0.42
	20	.030	1.5	1.2	0.99	0.74	0.59
	30	.036	1.8	1.4	1.2	0.89	0.71
4916-20	5	.018	0.89	0.71	0.59	0.45	0.36
	10	.026	1.3	1.0	0.86	0.64	0.51
	20	.037	1.8	1.5	1.2	0.92	0.73
	30	.045	2.2	1.8	1.5	1.1	0.89
4916-22	5	.022	1.1	0.87	0.73	0.54	0.44
	10	.031	1.5	1.2	1.0	0.77	0.61
	20	.043	2.1	1.7	1.4	1.1	0.85
	30	.053	2.6	2.1	1.7	1.3	1.0
4916-24	5	.026	1.3	1.0	0.86	0.64	0.51
	10	.037	1.8	1.5	1.2	0.92	0.73
	20	.052	2.6	2.1	1.7	1.3	1.0
	30	.064	3.2	2.5	2.1	1.6	1.3
4916-25	5	.028	1.4	1.1	0.92	0.69	0.55
	10	.040	2.0	1.6	1.3	0.99	0.79
	20	.056	2.8	2.2	1.8	1.4	1.1
	30	.068	3.4	2.7	2.2	1.7	1.3

Orifice Plate No.	Pressure in PSI	Capacity 1 Nozzle in GPM	Gallons Per Acre* 30" Row Spacing				
			4 mph	5 mph	6 mph	8 mph	10 mph
4916-26	5	.030	1.5	1.2	0.99	0.74	0.59
	10	.043	2.1	1.7	1.4	1.1	0.85
	20	.060	3.0	2.4	2.0	1.5	1.2
	30	.074	3.7	2.9	2.4	1.8	1.5
4916-27	5	.032	1.6	1.3	1.1	0.79	0.63
	10	.045	2.3	1.8	1.5	1.1	0.91
	20	.064	3.2	2.5	2.1	1.6	1.3
	30	.078	3.9	3.1	2.6	2.0	1.6
4916-28	5	.035	1.7	1.4	1.2	0.87	0.69
	10	.049	2.4	1.9	1.6	1.2	0.97
	20	.069	3.4	2.7	2.3	1.7	1.4
	30	.085	4.2	3.4	2.8	2.1	1.7
4916-29	5	.038	1.9	1.5	1.3	0.94	0.75
	10	.054	2.7	2.1	1.8	1.3	1.1
	20	.076	3.8	3.0	2.5	1.9	1.5
	30	.093	4.7	3.7	3.1	2.3	1.9
4916-30	5	.040	2.0	1.6	1.3	0.99	0.79
	10	.057	2.8	2.3	1.9	1.4	1.1
	20	.081	4.0	3.2	2.7	2.0	1.6
	30	.099	4.9	3.9	3.3	2.5	2.0
4916-31	5	.043	2.1	1.7	1.4	1.1	0.85
	10	.061	3.1	2.5	2.0	1.5	1.2
	20	.087	4.3	3.4	2.9	2.2	1.7
	30	.106	5.3	4.2	3.5	2.6	2.1
4916-32	5	.048	2.4	1.9	1.6	1.2	0.95
	10	.067	3.4	2.7	2.2	1.7	1.3
	20	.095	4.7	3.8	3.1	2.4	1.9
	30	.116	5.8	4.6	3.9	2.9	2.3
4916-34	5	.052	2.6	2.1	1.7	1.3	1.0
	10	.074	3.7	2.9	2.4	1.8	1.5
	20	.104	5.1	4.1	3.4	2.6	2.1
	30	.127	6.3	5.0	4.2	3.1	2.5
4916-35	5	.056	2.8	2.2	1.8	1.4	1.1
	10	.079	3.9	3.1	2.6	2.0	1.6
	20	.111	5.5	4.4	3.7	2.7	2.2
	30	.136	6.7	5.4	4.5	3.4	2.7
4916-37	5	.061	3.0	2.4	2.0	1.5	1.2
	10	.086	4.3	3.4	2.8	2.1	1.7
	20	.121	6.0	4.8	4.0	3.0	2.4
	30	.149	7.4	5.9	4.9	3.7	3.0
4916-39	5	.067	3.4	2.7	2.2	1.7	1.3
	10	.095	4.8	3.8	3.2	2.4	1.9
	20	.135	6.7	5.3	4.5	3.3	2.7
	30	.165	8.2	6.5	5.4	4.1	3.3

Orifice Plate No.	Pressure in PSI	Capacity 1 Nozzle in GPM	Gallons Per Acre* 30" Row Spacing				
			4 mph	5 mph	6 mph	8 mph	10 mph
4916-40	5	.072	3.6	2.9	2.4	1.8	1.4
	10	.102	5.0	4.0	3.4	2.5	2.0
	20	.144	7.1	5.7	4.8	3.6	2.9
	30	.177	8.8	7.0	5.8	4.4	3.5
4916-41	5	.074	3.7	3.0	2.5	1.9	1.5
	10	.105	5.2	4.2	3.5	2.6	2.1
	20	.149	7.4	5.9	4.9	3.7	3.0
	30	.182	9.1	7.2	6.0	4.5	3.6
4916-43	5	.081	4.1	3.2	2.7	2.0	1.6
	10	.115	5.7	4.6	3.8	2.9	2.3
	20	.163	8.1	6.5	5.4	4.0	3.2
	30	.200	9.9	7.9	6.6	5.0	4.0
4916-45	5	.088	4.4	3.5	2.9	2.2	1.7
	10	.125	6.2	5.0	4.1	3.1	2.5
	20	.176	8.8	7.0	5.8	4.4	3.5
	30	.216	10.7	8.6	7.2	5.4	4.3
4916-46	5	.095	4.7	3.8	3.1	2.4	1.9
	10	.135	6.7	5.3	4.5	3.3	2.7
	20	.191	9.5	7.6	6.3	4.7	3.8
	30	.233	11.6	9.3	7.7	5.8	4.6
4916-47	5	.097	4.8	3.8	3.2	2.4	1.9
	10	.137	6.8	5.5	4.6	3.4	2.7
	20	.194	9.6	7.7	6.4	4.8	3.8
	30	.238	11.8	9.4	7.9	5.9	4.7
4916-48	5	.101	5.0	4.0	3.3	2.5	2.0
	10	.143	7.1	5.7	4.7	3.5	2.8
	20	.202	10.0	8.0	6.7	5.0	4.0
	30	.247	12.3	9.8	8.2	6.1	4.9
4916-49	5	.104	5.1	4.1	3.4	2.6	2.1
	10	.147	7.3	5.9	4.9	3.7	2.9
	20	.208	10.3	8.3	6.9	5.2	4.1
	30	.255	12.6	10.1	8.4	6.3	5.0
4916-51	5	.116	5.7	4.6	3.8	2.9	2.3
	10	.164	8.2	6.5	5.4	4.1	3.3
	20	.232	11.5	9.2	7.7	5.8	4.6
	30	.284	14.1	11.3	9.4	7.1	5.6
4916-52	5	.118	5.8	4.7	3.9	2.9	2.3
	10	.167	8.3	6.7	5.5	4.2	3.3
	20	.237	11.7	9.4	7.8	5.9	4.7
	30	.290	14.4	11.5	9.6	7.2	5.7
4916-54	5	.127	6.3	5.0	4.2	3.1	2.5
	10	.180	8.9	7.1	5.9	4.5	3.6
	20	.255	12.6	10.1	8.4	6.3	5.0
	30	.312	15.4	12.4	10.3	7.7	6.2

NOTE: Always double check your application rates. See Pages 160-161 for useful formulas and information.

\*Indicates Gallons Per Acre coverage based on water.

NOZZLES