

Stainless Steel Solid Stream Nozzles for Fertilizer Injection

Solid Stream Nozzles are the best nozzle for injecting nitrogen fertilizer behind coulters or cultivation devices. They can be used at medium pressure shown or at much higher pressure if used with piston pumps. Select the cap style with separate body and cap if size changes will be frequent. The threaded style is correct for permanent installations. **Note:** For 28% nitrogen use a conversion factor of 1.13 For 32% nitrogen use a conversion factor of 1.15

Where Tables are Based on 30" Nozzle Spacing									
Other Spacing	26"	28"	32"	34"	36"	38"	40"	42"	44"
Conversion Factor	1.15	1.07	.94	.88	.83	.79	.75	.71	.68

Orifice Size	Liquid Pressure in psi	Capacity 1 Nozzle in GPM	Gallons Per Acre 30" Spacing			
			5 mph	6 mph	7 mph	8 mph
0001	15	.06	2.4	2.0	1.7	1.5
	20	.07	2.8	2.3	2.0	1.8
	30	.09	3.4	2.9	2.5	2.1
	40	.10	4.0	3.3	2.8	2.5
00015	15	.09	3.6	3.0	2.6	2.3
	20	.11	4.7	3.5	3.0	2.6
	30	.13	5.1	4.3	3.7	3.2
	40	.15	5.9	5.0	4.7	3.7
0002	15	.12	4.8	4.0	3.5	3.0
	20	.14	5.6	4.7	4.0	3.5
	30	.17	6.9	5.7	4.9	4.3
	40	.20	7.9	6.6	5.7	5.0
0003	15	.18	7.3	6.1	5.2	4.5
	20	.21	8.4	7.0	6.0	5.3
	30	.26	10.3	8.6	7.4	6.4
	40	.30	11.9	9.9	8.5	7.4
0004	15	.24	9.7	8.1	6.9	6.1
	20	.28	11.2	9.3	8.0	7.0
	30	.35	13.7	11.4	9.8	8.6
	40	.40	15.8	13.2	11.3	9.9
0005	15	.31	12.1	10.1	8.7	7.6
	20	.35	14.0	11.7	10.0	8.8
	30	.43	17.2	14.3	12.3	10.7
	40	.50	19.8	16.5	14.1	12.4
0006	15	.37	14.5	12.1	10.4	9.1
	20	.42	16.8	14.0	12.0	10.5
	30	.52	21	17.2	14.7	12.9
	40	.60	24	19.8	17.0	14.9
0008	15	.49	19.4	16.2	13.9	12.1
	20	.57	22	18.7	16.0	14.0
	30	.69	27	23	19.6	17.2
	40	.80	32	26	23	19.8
0010	15	.61	24	20	17.3	15.2
	20	.71	28	23	20	17.5
	30	.87	34	29	25	21
	40	1.00	40	33	28	25
0015	15	.97	36	30	26	23
	20	1.06	42	35	30	26
	30	1.30	51	43	37	32
	40	1.50	59	50	42	37
0020	15	1.22	48	40	35	30
	20	1.41	56	47	40	35
	30	1.73	69	57	49	43
	40	2.0	79	66	57	49
0030	15	1.84	73	61	52	45
	20	2.12	84	70	60	53
	30	2.6	103	86	73	64
	40	3.0	119	99	85	74
0040	15	2.45	97	81	69	61
	20	2.83	112	93	80	70
	30	3.46	137	114	98	86
	40	4.0	158	132	113	99



Solid Stream Nozzle



H1/4USS Series
Has 1/4" MPT conn.



SS0001 thru
SS0008
Use CP25607 Cap

Part No.
SS SS0001 thru SS0040 Stainless Steel *
SS H1/4USS0002 thru H1/4USS0060 Stainless *

Drip-Free Diaphragm Check Valves

Valves have 1/4" MPT inlet and 1/4" FPT outlet. Designed for 1/4" spray nozzles to screw right in. They have nylon bodies and are rated to 300 PSI, 3 GPM.



402CPV03V has a 4 PSI cracking pressure. **Viton®**.
402CPV01V has a 8 PSI cracking pressure. **Viton®**.
402CPV02V has a 25 PSI cracking pressure. **Viton®**.

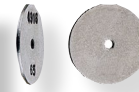
Part No.
TW 402CPV03V Drip-Free Diaphragm Check Valve - 4 PSI *
TW 402CPV01V Drip-Free Diaphragm Check Valve - 8 PSI *
TW 402CPV02V Drip-Free Diaphragm Check Valve - 25 PSI *
TW 4020-3 Check Valve Housing with Cap, 4 PSI
TW 4020-4 Check Valve Housing with Cap, 8 PSI
TW 4020-5 Check Valve Housing with Cap, 25 PSI
TW 5865-36 Viton® Diaphragm
TW 2000-30 Retainer Cap Only

Viton® is a registered trademark of DuPont Performance Elastomers

TeeJet Flow Regulators

Stainless 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: 4916-8 = .008"



Use with the Quick TeeJet CP25607 Caps & 18999EPR Gaskets

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

Conversion Factors Based on 30" Spacing							
Other Spacing	8"	10"	12"	14"	16"	18"	22"
Conversion Factors	3.75	3.0	2.5	2.15	18.8	1.67	1.37

ORIFICE PLATE NO.	CAPACITY IN GPM	GALLONS PER ACRE BASED ON WATER WITH FLOW REGULATORS SPACED AT 30"			
		3 MPH	4 MPH	5 MPH	8 MPH
4916-18	10	.021	1.4	1.0	.83
	20	.029	1.9	1.4	1.1
	30	.036	2.4	1.8	1.4
4916-24	10	.037	2.4	1.8	1.5
	20	.053	3.5	2.6	2.1
	30	.064	4.2	3.2	2.5
4916-29	10	.054	3.6	2.7	2.1
	20	.076	5.0	3.8	3.0
	30	.093	6.1	4.6	3.7
4916-35	10	.078	5.1	3.9	3.1
	20	.111	7.3	5.5	4.4
	30	.136	9.0	6.7	5.4
4916-40	10	.102	6.7	5.0	4.0
	20	.144	9.5	7.1	5.7
	30	.177	11.7	8.8	7.0
4916-43	10	.115	7.6	5.7	4.6
	20	.163	10.8	8.1	6.5
	30	.199	13.1	9.9	7.9
4916-46	10	.135	8.9	6.7	5.3
	20	.191	12.6	9.5	7.6
	30	.233	15.4	11.5	9.2
4916-49	10	.147	9.7	7.3	5.8
	20	.208	13.7	10.3	8.2
	30	.255	16.8	12.6	10.1
4916-51	10	.165	10.9	8.2	6.5
	20	.233	15.4	11.5	9.2
	30	.285	18.8	14.1	11.3
4916-52	10	.167	11.0	8.3	6.6
	20	.237	15.6	11.7	9.4
	30	.290	19.1	14.4	11.5
4916-55	10	.188	12.4	9.3	7.4
	20	.266	17.6	13.2	10.5
	30	.326	22.0	16.1	12.9
4916-57	10	.200	13.2	9.9	7.9
	20	.283	18.7	14.0	11.2
	30	.346	23.0	17.1	13.7
4916-59	10	.216	14.3	10.7	8.6
	20	.306	20.0	15.1	12.1
	30	.375	25.0	18.6	14.9
4916-63	10	.245	16.2	12.1	9.7
	20	.346	23.0	17.1	13.7
	30	.424	28.0	21.0	16.8
4916-66	10	.266	17.6	13.2	10.5
	20	.376	25.0	18.6	14.9
	30	.450	32.0	24.0	19.4
4916-68	10	.286	18.9	14.2	11.3
	20	.405	27.0	20.0	16.0
	30	.496	33.0	25.0	20.0
4916-70	10	.306	20.0	15.1	12.1
	20	.432	29.0	21.0	17.1
	30	.530	35.0	26.0	21.0
4916-75	10	.347	23.0	17.2	13.7
	20	.491	32.0	24.0	19.4
	30	.601	40.0	30.0	24.0
4916-78	10	.385	25.0	19.1	15.2
	20	.544	36.0	27.0	22.0
	30	.667	44.0	33.0	26.0
4916-80	10	.396	26.0	19.6	15.7
	20	.561	37.0	28.0	22.0
	30	.687	45.0	34.0	27.0
4916-86	10	.469	31.0	23.0	18.6
	20	.664	44.0	33.0	26.0
	30	.813	54.0	40.0	32.0
4916-89	10	.490	32.0	24.0	19.4
	20	.693	46.0	34.0	27.0
	30	.849	56.0	42.0	34.0
4916-95	10	.572	38.0	28.0	23.0
	20	.808	53.0	40.0	32.0
	30	.990	65.0	49.0	39.0
4916-98	10	.625	41.0	31.0	25.0
	20	.883	58.0	44.0	35.0
	30	1.08	71.0	53.0	43.0
4916-107	10	.735	49.0	36.0	29.0
	20	1.04	69.0	51.0	41.0
	30	1.27	84.0	63.0	50.0
4916-110	10	.776	51.0	38.0	31.0
	20	1.10	73.0	54.0	44.0
	30	1.34	88.0	66.0	53.0
4916-120	10	.894	59.0	44.0	35.0
	20	1.26	83.0	62.0	50.0
	30	1.55	102.0	77.0	61.0
4916-140	10	1.27	84.0	63.0	50.0
	20	1.79	118.0	89.0	71.0
	30	2.19	145.0	108.0	87.0

Part No.
SS 4916-18
Stainless Steel Flow Regulator thru 4916-140
Std. Pkg. 100
Std. Pkg. DISCOUNT 10%

