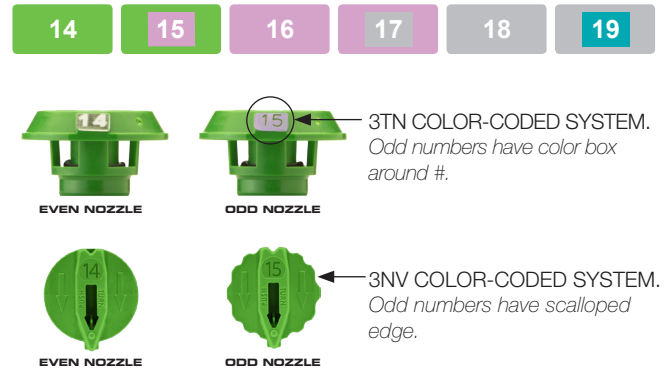


NELSON

3000 & 3030 Series Pivot Products

3TN & 3NV NOZZLE CHART

The nozzle sizing system is based on 128th inch increments, e.g. 3TN/3NV Nozzle #26 has an orifice diameter of 26/128th inches while 3TN/3NV Nozzle #27 has an orifice diameter of 27/128th inches. For 3TN Nozzles, the odd-numbered nozzles have a color box around the number marking. This color box denotes the color of the next larger nozzle size. The odd-numbered 3NV Nozzles have a scalloped edge rather than secondary coloring.



NOZZLE #	#9	#10		#11		#12		#13		#14		#15		#16		#17		#18		#19			
Color	Light Blue	Beige		Beige		Gold		Gold		Lime		Lime		Lavender		Lavender		Gray		Gray			
Stripe	Beige			Gold				Lime				Lavender				Gray				Turquoise			
PSI	BAR	GPM	LPM	GPM	LPM	GPM	LPM	GPM	LPM	GPM	LPM	GPM	LPM	GPM	LPM	GPM	LPM	GPM	LPM	GPM	LPM		
6	0.4	0.34	1.28	0.42	1.59	0.50	1.89	0.61	2.30	0.71	2.68	0.82	3.10	0.95	3.59	1.08	4.08	1.22	4.61	1.36	5.14	1.53	5.79
10	0.7	0.44	1.66	0.54	2.04	0.65	2.46	0.79	2.99	0.92	3.48	1.06	4.01	1.23	4.65	1.40	5.29	1.58	5.98	1.75	6.62	1.97	7.45
15	1.0	0.53	2.00	0.66	2.50	0.79	2.99	0.96	3.63	1.13	4.27	1.29	4.88	1.51	5.71	1.71	6.47	1.93	7.30	2.14	8.09	2.41	9.12
20	1.4	0.62	2.34	0.76	2.87	0.92	3.48	1.11	4.20	1.30	4.92	1.49	5.63	1.74	6.58	1.98	7.49	2.23	8.44	2.48	9.38	2.79	10.56
25	1.7	0.69	2.61	0.85	3.22	1.02	3.86	1.24	4.69	1.46	5.52	1.67	6.32	1.95	7.38	2.21	8.36	2.50	9.46	2.77	10.48	3.12	11.81
30	2.1	0.76	2.87	0.93	3.52	1.12	4.23	1.36	5.14	1.59	6.01	1.83	6.92	2.14	8.09	2.42	9.15	2.74	10.37	3.03	11.46	3.41	12.90
40	2.8	0.87	3.29	1.07	4.05	1.29	4.88	1.57	5.94	1.84	6.96	2.11	7.98	2.47	9.34	2.80	10.59	3.16	11.96	3.50	13.24	3.94	14.91
50	3.4	0.97	3.67	1.20	4.54	1.45	5.48	1.76	6.66	2.06	7.79	2.36	8.93	2.76	10.44	3.13	11.84	3.53	13.32	3.91	14.79	4.41	16.69

NOZZLE #	#20	#21		#22		#23		#24		#25		#26	#27		#28		#29		#30				
Color	Turquoise	Turquoise		Yellow		Yellow		Red		Red		White	White		Blue		Blue		Dark Brown				
Stripe		Yellow				Red				White			Blue				Dark Brown						
PSI	BAR	GPM	LPM	GPM	LPM	GPM	LPM	GPM	LPM	GPM	LPM	GPM	LPM	GPM	LPM	GPM	LPM	GPM	LPM	GPM	LPM		
6	0.4	1.70	6.43	1.84	6.96	2.04	7.72	2.22	8.40	2.44	9.23	2.64	9.99	2.87	10.86	3.07	11.61	3.35	12.68	3.58	13.55	3.83	14.49
10	0.7	2.19	8.28	2.38	9.00	2.64	9.99	2.86	10.82	3.16	11.96	3.41	12.90	3.70	14.00	3.97	15.00	4.32	16.35	4.62	17.48	4.94	18.69
15	1.0	2.69	10.18	2.91	11.01	3.23	12.22	3.50	13.24	3.86	14.61	4.17	15.78	4.53	17.14	4.86	18.39	5.29	20.02	5.66	21.42	6.06	22.93
20	1.4	3.10	11.73	3.36	12.71	3.73	14.11	4.05	15.32	4.46	16.88	4.82	18.24	5.23	19.79	5.61	21.23	6.11	23.12	6.53	24.71	6.99	26.45
25	1.7	3.47	13.13	3.76	14.23	4.17	15.78	4.52	17.10	4.99	18.88	5.38	20.36	5.85	22.14	6.27	23.73	6.83	25.85	7.30	27.63	7.82	29.59
30	2.1	3.80	14.38	4.12	15.59	4.56	17.25	4.96	18.77	5.47	20.70	5.90	22.33	6.41	24.26	6.87	26.00	7.48	28.31	8.00	30.28	8.56	32.39
40	2.8	4.39	16.61	4.76	18.01	5.27	19.94	5.72	21.65	6.31	23.88	6.81	25.77	7.40	28.00	7.94	30.65	8.64	32.70	9.24	34.97	9.89	37.43
50	3.4	4.90	18.54	5.32	20.13	5.89	22.29	6.40	24.22	7.06	26.72	7.61	28.80	8.28	31.33	8.87	33.57	9.66	36.56	10.33	39.13	11.06	41.86

NOZZLE #	#31	#32		#33		#34		#35		#36		#37		#38		#39		#40		#41			
Color	Dark Brown	Orange		Orange		Dark Green		Dark Green		Purple		Purple		Black		Black		Dark		Dk. Turquoise			
Stripe	Orange			Dark Green				Purple				Black				Dk. Turquoise		Turquoise		Mustard			
PSI	BAR	GPM	LPM	GPM	LPM	GPM	LPM	GPM	LPM	GPM	LPM	GPM	LPM	GPM	LPM	GPM	LPM	GPM	LPM	GPM	LPM		
6	0.4	4.06	15.36	4.36	16.50	4.65	17.60	4.94	18.69	5.20	19.68	5.47	20.07	5.84	22.10	6.18	23.39	6.52	24.68	6.85	25.92	7.26	27.48
10	0.7	5.24	19.83	5.63	21.50	6.00	22.71	6.37	24.11	6.72	25.43	7.06	26.72	7.54	28.54	7.97	30.16	8.42	31.87	8.85	33.49	9.37	35.47
15	1.0	6.41	24.26	6.89	26.07	7.35	29.71	7.81	29.56	8.23	31.15	8.65	32.74	9.24	34.97	9.77	36.98	10.31	39.02	10.84	41.02	11.48	43.45
20	1.4	7.40	28.00	7.96	30.12	8.49	32.13	9.01	34.10	9.50	35.95	9.98	37.77	10.67	40.38	11.28	42.69	11.91	45.08	12.51	47.35	13.26	50.19
25	1.7	8.28	31.34	8.90	33.68	9.49	35.91	10.08	38.15	10.62	40.19	11.16	42.24	11.92	45.11	12.61	47.72	13.31	50.38	13.99	52.95	14.82	56.09
30	2.1	9.07	34.32	9.75	36.90	10.39	39.32	11.04	41.78	11.64	44.05	12.23	46.29	13.06	49.43	13.81	52.27	14.58	55.19	15.33	58.02	16.23	61.43
40	2.8	10.47	36.62	11.26	42.62	12.00	45.42	12.75	48.25	13.44	50.87	14.12	53.44	15.08	57.07	15.95	60.37	16.84	63.74	17.70	66.99	18.75	70.97
50	3.4	11.71	44.32	12.59	47.65	13.42	50.79	14.25	53.93	15.02	56.85	15.79	59.76	16.86	63.81	17.83	67.48	18.81	71.20	19.79	74.90	20.96	79.33

NOZZLE #	#42	#43		#44		#45		#46		#47		#48		#49		#50			
Color	Mustard	Mustard		Maroon		Maroon		Cream		Cream		Dark Blue		Dark Blue		Copper			
Stripe		Maroon				Cream				Dark Blue				Copper					
PSI	BAR	GPM	LPM	GPM	LPM	GPM	LPM	GPM	LPM	GPM	LPM	GPM	LPM	GPM	LPM	GPM	LPM		
6	0.4	7.60	28.76	7.96	30.13	8.33	31.52	8.73	33.04	9.12	34.51	9.58	36.26	9.96	37.69	10.31	39.02	10.77	40.76
10	0.7	9.81	37.13	10.28	38.91	10.75	40.68	11.27	42.66	11.77	44.54	12.36	46.78	12.86	48.67	13.31	50.38	13.91	52.64
15	1.0	12.01	45.45	12.59	47.65	13.17	49.84	13.80	52.23	14.41	54.54	15.14	57.30	15.75	59.61	16.30	61.70	17.03	64.45
20	1.4	13.87	52.49	14.54	55.03	15.20	57.53	15.93	60.30	16.64	62.98	17.49	66.20	18.19	68.84	18.82	71.23	19.67	74.45
25	1.7	15.51	58.70	16.25	61.51	17.00	64.34	17.81	67.41	18.61	70.43	19.55	74.00	20.33	79.94	21.05	79.67	21.99	83.23
30	2.1	16.99	64.30	17.80	67.37	18.62	70.47	19.51	73.85	20.38	77.13	21.42	81.07	22.28	84.32	23.05	87.24	24.09	91.18
40	2.8	19.61	74.22	20.56	77.82	21.50	81.37	22.53	85.28	23.54	89.09	24.73	93.60	25.72	97.35	26.62	100.76	27.82	105.29
50	3.4	21.93	83.00	22.98	86.98	24.04	90.99	25.19	95.34	26.31	99.58	27.65	104.66	28.76	108.85	29.76	112.64	31.10	117.71

This flow data was obtained under ideal test conditions and may be adversely affected by poor hydraulic entrance conditions, turbulence or other factors. Nelson Irrigation makes no representation regarding sprinkler flow rate accuracy under various plumbing and drop pipe conditions.