

NOZZLE CHART

A commonly used standard for nozzle size is the “nozzle number” which is equivalent to the nozzle capacity in GPM at a specific PSI. Spray angle does not effect nozzle volume.

Size	Orifice Diameter		Pressure (PSI)																												
	inches	mm																													
			5	10	20	30	40	100	250	500	750	1000	1250	1500	1750	2000	2250	2500	2750	3000	3250	3500	3750	4000	4500	5000	5500	6000	6500	7000	7500
1	0.026	0.66	0.04	0.05	0.07	0.09	0.10	0.16	0.25	0.35	0.43	0.50	0.56	0.61	0.66	0.71	0.74	0.79	0.83	0.87	0.90	0.94	0.97	1.00	1.06	1.12	1.17	1.22	1.27	1.32	1.37
1.5	0.031	0.79	0.05	0.08	0.11	0.13	0.15	0.24	0.38	0.53	0.65	0.75	0.84	0.92	0.99	1.06	1.11	1.19	1.24	1.30	1.35	1.40	1.45	1.50	1.59	1.68	1.76	1.84	1.91	1.98	2.05
2	0.034	0.86	0.07	0.10	0.14	0.17	0.20	0.32	0.50	0.71	0.87	1.00	1.12	1.22	1.32	1.41	1.48	1.58	1.66	1.73	1.80	1.87	1.94	2.00	2.12	2.24	2.35	2.45	2.55	2.65	2.74
2.5	0.039	0.99	0.09	0.13	0.18	0.22	0.25	0.40	0.63	0.88	1.08	1.25	1.40	1.53	1.65	1.77	1.85	1.98	2.07	2.17	2.25	2.34	2.42	2.50	2.65	2.80	2.93	3.06	3.19	3.31	3.42
3	0.043	1.09	0.11	0.15	0.21	0.26	0.30	0.47	0.75	1.06	1.30	1.50	1.68	1.84	1.98	2.12	2.22	2.37	2.49	2.60	2.70	2.81	2.90	3.00	3.18	3.35	3.52	3.67	3.82	3.97	4.11
3.5	0.048	1.22	0.12	0.18	0.25	0.30	0.35	0.55	0.88	1.24	1.52	1.75	1.96	2.14	2.32	2.47	2.60	2.77	2.90	3.03	3.15	3.27	3.39	3.50	3.71	3.91	4.10	4.29	4.46	4.63	4.79
4	0.050	1.27	0.14	0.20	0.28	0.35	0.40	0.63	1.00	1.41	1.73	2.00	2.24	2.45	2.65	2.83	2.97	3.16	3.32	3.46	3.61	3.74	3.87	4.00	4.24	4.47	4.69	4.90	5.10	5.29	5.48
4.5	0.055	1.40	0.16	0.23	0.32	0.39	0.45	0.71	1.13	1.59	1.95	2.25	2.52	2.76	2.98	3.18	3.34	3.56	3.73	3.90	4.06	4.21	4.36	4.50	4.77	5.03	5.28	5.51	5.74	5.95	6.16
5	0.057	1.45	0.18	0.25	0.35	0.43	0.50	0.79	1.25	1.77	2.17	2.50	2.80	3.06	3.31	3.54	3.71	3.95	4.15	4.33	4.51	4.68	4.84	5.00	5.30	5.59	5.86	6.12	6.37	6.61	6.85
5.5	0.060	1.52	0.19	0.28	0.39	0.48	0.55	0.87	1.38	1.94	2.38	2.75	3.07	3.37	3.64	3.89	4.08	4.35	4.56	4.76	4.96	5.14	5.33	5.50	5.83	6.15	6.45	6.74	7.01	7.28	7.53
6	0.062	1.57	0.21	0.30	0.42	0.52	0.60	0.95	1.50	2.12	2.60	3.00	3.35	3.67	3.97	4.24	4.45	4.74	4.97	5.20	5.41	5.61	5.81	6.00	6.36	6.71	7.04	7.35	7.65	7.94	8.22
6.5	0.064	1.63	0.23	0.33	0.46	0.56	0.65	1.03	1.63	2.30	2.81	3.25	3.63	3.98	4.30	4.60	4.82	5.14	5.39	5.63	5.86	6.08	6.29	6.50	6.89	7.27	7.62	7.96	8.29	8.60	8.90
7	0.067	1.70	0.25	0.35	0.49	0.61	0.70	1.11	1.75	2.47	3.03	3.50	3.91	4.29	4.63	4.95	5.19	5.53	5.80	6.06	6.31	6.55	6.78	7.00	7.42	7.83	8.21	8.57	8.92	9.26	9.59
7.5	0.071	1.80	0.27	0.38	0.53	0.65	0.75	1.19	1.88	2.65	3.25	3.75	4.19	4.59	4.96	5.30	5.56	5.93	6.22	6.50	6.76	7.02	7.26	7.50	7.95	8.39	8.79	9.19	9.56	9.92	10.27
8	0.072	1.83	0.28	0.40	0.57	0.69	0.80	1.26	2.00	2.83	3.46	4.00	4.47	4.90	5.29	5.66	5.93	6.32	6.63	6.93	7.21	7.48	7.75	8.00	8.49	8.94	9.38	9.80	10.20	10.58	10.95
8.5	0.074	1.88	0.30	0.43	0.60	0.74	0.85	1.34	2.13	3.01	3.68	4.25	4.75	5.21	5.62	6.01	6.30	6.72	7.05	7.36	7.66	7.95	8.23	8.50	9.02	9.50	9.97	10.41	10.84	11.24	11.64
9	0.076	1.93	0.32	0.45	0.64	0.78	0.90	1.42	2.25	3.18	3.90	4.50	5.03	5.51	5.95	6.36	6.67	7.12	7.46	7.79	8.11	8.42	8.71	9.00	9.55	10.06	10.55	11.02	11.47	11.91	12.32
9.5	0.078	1.98	0.34	0.48	0.67	0.82	0.95	1.50	2.38	3.36	4.11	4.75	5.31	5.82	6.28	6.72	7.05	7.51	7.88	8.23	8.56	8.89	9.20	9.50	10.08	10.62	11.14	11.64	12.11	12.57	13.01
10	0.080	2.03	0.35	0.50	0.71	0.87	1.00	1.58	2.50	3.54	4.33	5.00	5.59	6.12	6.61	7.07	7.42	7.91	8.29	8.66	9.01	9.35	9.68	10.00	10.61	11.18	11.73	12.25	12.75	13.23	13.69
11	0.083	2.11	0.39	0.55	0.78	0.95	1.10	1.74	2.75	3.89	4.76	5.50	6.15	6.74	7.28	7.78	8.16	8.70	9.12	9.53	9.92	10.29	10.65	11.00	11.67	12.30	12.90	13.47	14.02	14.55	15.06
12	0.087	2.21	0.42	0.60	0.85	1.04	1.20	1.90	3.00	4.24	5.20	6.00	6.71	7.35	7.94	8.49	8.90	9.49	9.95	10.39	10.82	11.22	11.62	12.00	12.73	13.42	14.07	14.70	15.30	15.87	16.43
12.5	0.089	2.26	0.44	0.63	0.88	1.08	1.25	1.98	3.13	4.42	5.41	6.25	6.99	7.65	8.27	8.84	9.27	9.88	10.36	10.83	11.27	11.69	12.10	12.50	13.26	13.98	14.66	15.31	15.93	16.54	17.12
13	0.091	2.31	0.46	0.65	0.92	1.13	1.30	2.06	3.25	4.60	5.63	6.50	7.27	7.96	8.60	9.19	9.64	10.28	10.78	11.26	11.72	12.16	12.59	13.00	13.79	14.53	15.24	15.92	16.57	17.20	17.80
14	0.093	2.36	0.49	0.70	0.99	1.21	1.40	2.21	3.50	4.95	6.06	7.00	7.83	8.57	9.26	9.90	10.38	11.07	11.61	12.12	12.62	13.10	13.56	14.00	14.85	15.65	16.42	17.15	17.85	18.52	19.17
15	0.096	2.44	0.53	0.75	1.06	1.30	1.50	2.37	3.75	5.30	6.50	7.50	8.39	9.19	9.92	10.61	11.12	11.86	12.44	12.99	13.52	14.03	14.52	15.00	15.91	16.77	17.59	18.37	19.12	19.84	20.54
20	0.109	2.77	0.71	1.00	1.41	1.73	2.00	3.16	5.00	7.07	8.66	10.00	11.18	12.25	13.23	14.14	14.83	15.81	16.58	17.32	18.03	18.71	19.36	20.00	21.21	22.36	23.45	24.49	25.50	26.46	27.39
25	0.125	3.18	0.88	1.25	1.77	2.17	2.50	3.95	6.25	8.84	10.83	12.50	13.98	15.31	16.54	17.68	18.54	19.76	20.73	21.65	22.53	23.39	24.21	25.00	26.52	27.95	29.32	30.62	31.87	33.07	34.23
30	0.141	3.58	1.06	1.50	2.12	2.60	3.00	4.74	7.50	10.61	12.99	15.00	16.77	18.37	19.84	21.21	22.25	23.72	24.87	25.98	27.04	28.06	29.05	30.00	31.82	33.54	35.18	36.74	38.24	39.69	41.08
35	0.152	3.86	1.24	1.75	2.47	3.03	3.50	5.53	8.75	12.37	15.16	17.50	19.57	21.43	23.15	24.75	25.96	27.67	29.02	30.31	31.55	32.74	33.89	35.00	37.12	39.13	41.04	42.87	44.62	46.30	47.93
40	0.156	3.96	1.41	2.00	2.83	3.46	4.00	6.32	10.00	14.14	17.32	20.00	22.36	24.49	26.46	28.28	29.66	31.62	33.17	34.64	36.06	37.42	38.73	40.00	42.43	44.72	46.90	48.99	50.99	52.92	54.77
45	0.173	4.39	1.59	2.25	3.18	3.90	4.50	7.12	11.25	15.91	19.49	22.50	25.16	27.56	29.76	31.82	33.37	35.58	37.31	38.97	40.56	42.09	43.57	45.00	47.73	50.31	52.77	55.11	57.36	59.53	61.62
50	0.172	4.37	1.77	2.50	3.54	4.33	5.00	7.91	12.50	17.68	21.65	25.00	27.95	30.62	33.07	35.36	37.08	39.53	41.46	43.30	45.07	46.77	48.41	50.00	53.03	55.90	58.63	61.24	63.74	66.14	68.47
55	0.179	4.55	1.94	2.75	3.89	4.76	5.50	8.70	13.75	19.45	23.82	27.50	30.75	33.68	36.38	38.89	40.79	43.48	45.60	47.63	49.58	51.45	53.25	55.00	58.34	61.49	64.49	67.36	70.11	72.76	75.31
60	0.188	4.78	2.12	3.00	4.24	5.20	6.00	9.49	15.00	21.21	25.98	30.00	33.54	36.74	39.69	42.43	44.50	47.43	49.75	51.96	54.08	56.12	58.09	60.00	63.64	67.08	70.36	73.48	76.49	79.37	82.16
70	0.281	7.14	2.47	3.50	4.95	6.06	7.00	11.07	17.50	24.75	30.31	35.00	39.13	42.87	46.30	49.50	51.91	55.34	58.04	60.62	63.10	65.48	67.78	70.00	74.25	78.26	82.08	85.73	89.23	92.60	95.85
80	0.297	7.54	2.83	4.00	5.66	6.93	8.00	12.65	20.00	28.28	34.64	40.00	44.72	48.99	52.92	56.57	59.33	63.25	66.33	69.28	72.11	74.83	77.46	80.00	84.85	89.44	93.81	97.98	101.98	105.83	109.54
90	0.316	8.03	3.18	4.50	6.36	7.79	9.00	14.23	22.50	31.82	38.97	45.00	50.31	55.11	59.53	63.64	66.75	71.15	74.62	77.94	81.12	84.19	87.14	90.00	95.46	100.62	105.53	110.23	114.73	119.06	123.24
105	0.335	8.50	3.71	5.25	7.42	9.09	10.50	16.20	26.25	37.12	45.47	52.50	58.70	64.30	69.45	74.25	77.87	83.01	87.06	90.93	94.65	98.22	101.67	105.00	111.37	117.39	123.12	128.60	133.85	138.90	143.78