

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.

Nozzle Size	Orifice Diameter	Flow rate (GPM) at Pressure (PSI)																														
		5	10	20	30	40	100	200	250	300	400	500	600	700	800	1000	1200	1500	2000	2500	3000	3500	4000	4500	5000	6000	7000	8000	9000			
01	0.026	0.03	0.05	0.07	0.09	0.10	0.16	0.22		0.28	0.32	0.36	0.39	0.42	0.45	0.50		0.60	0.70	0.80	0.85	0.92	0.99	1.05	1.10	1.21	1.30	1.39	1.48			
015	0.031	0.05	0.07	0.11	0.13	0.15	0.24	0.34		0.41	0.47	0.53	0.58	0.63	0.68	0.75		0.90	1.10	1.20	1.30	1.40	1.50	1.59	1.67	1.83	1.98	2.12	2.25			
02	0.034	0.07	0.10	0.14	0.17	0.20	0.32	0.45		0.55	0.63	0.71	0.77	0.84	0.89	1.00		1.22	1.41	1.58	1.73	1.87	2.01	2.13	2.25	2.46	2.66	2.84	3.01			
025	0.039	0.09	0.13	0.18	0.22	0.25	0.40		0.63	0.70	0.80	0.88	0.97	1.05	1.12	1.25		1.37	1.53	1.77	1.98	2.17	2.34	2.50		2.80						
03	0.043	0.11	0.15	0.21	0.26	0.30	0.47		0.67	0.75	0.82	0.95	1.06	1.16	1.25	1.34		1.50	1.64	1.84	2.12	2.37	2.60	2.81	2.99	3.18	3.35	3.67	4.49			
035	0.048						0.55			0.88	0.98	1.10	1.24	1.36	1.46	1.57		1.75	1.92	2.14	2.47	2.77	3.03	3.27	3.50							
04	0.052	0.14	0.20	0.28	0.35	0.40	0.63	0.89		1.00	1.10	1.30	1.41	1.55	1.67	1.79		2.00	2.19	2.45	2.83	3.16	3.46	3.76	4.02	4.26	4.49	4.92	5.68	6.02		
045	0.055						0.45	0.71		1.13	1.20	1.40	1.59	1.74	1.88	2.01		2.25	2.46	2.75	3.18	3.56	3.90	4.10	4.38	4.65	4.90	5.37	5.80	6.20	6.57	
05	0.057	0.18	0.25	0.35	0.43	0.50	0.79	1.10		1.25	1.40	1.60	1.77	1.94	2.09	2.24		2.50	2.74	3.06	3.54	3.95	4.33	4.78	5.11	5.42	5.72	6.26	6.73	7.67		
055	0.060	0.21	0.30	0.42	0.52	0.60	0.95	1.30		1.38	1.50	1.70	1.94	2.13	2.30	2.46		2.75	3.01	3.37	3.89	4.35	4.76	5.12	5.48	5.81	6.12	6.71	7.25	8.22		
06	0.062	0.25	0.35	0.50	0.61	0.70	1.11			1.63	1.80	2.10	2.30	2.52	2.72	2.91		3.25	3.56	3.98	4.60	5.14	5.63	6.15	6.57	6.97	7.35	8.05	8.10	9.30	9.86	
065	0.064						0.65	1.03		1.75	1.90	2.20	2.47	2.71	2.93	3.13		3.50	3.83	4.29	4.95	5.53	6.06	6.49	6.94	7.36	7.76	8.50	9.10	9.81	10.41	
07	0.067	0.25	0.35	0.50	0.61	0.70	1.11			1.88	2.10	2.40	2.65	2.90	3.14	3.35		3.75	4.11	4.59	5.30	5.93	6.50	7.17	7.67	8.13	8.57	9.39	10.14	11.50		
075	0.070						0.75	1.19			2.00	2.20	2.50	2.83	3.10	3.35		3.58	4.00	4.66	5.66	6.32	6.93	7.51	8.03	8.52	9.98	10.84	11.36	12.60		
08	0.072	0.28	0.40	0.56	0.69	0.80	1.26	1.80		2.13	2.30	2.70	3.01	3.29	3.56	3.80		4.25	4.66	5.21	6.01	6.72	7.36	7.86	8.40	8.91	9.39	10.29	11.11	11.88	12.60	
085	0.074						0.85	1.34			2.25	2.50	2.90	3.18	3.49	3.76		4.02	4.50	5.14	6.36	7.12	7.79	8.54	9.13	9.68	10.21	11.18	12.00	12.91	13.69	
09	0.076						0.90	1.42			2.38	2.60	3.00	3.36	3.68	3.97		4.25	4.75	5.20	5.82	6.72	7.51	8.23	8.88	9.49	10.07	10.61	11.63	12.56	13.43	14.24
095	0.078						0.95	1.50			2.50	2.70	3.20	3.54	3.87	4.18		4.47	5.00	5.48	6.12	7.07	7.91	8.66	9.22	9.86	10.46	11.02	12.07	13.04	13.94	14.79
10	0.080	0.35	0.50	0.71	0.87	1.00	1.58	2.20		2.75	3.00	3.50	3.89	4.26	4.60	4.92		5.50	6.02	6.74	7.78	8.70	9.53	10.25	10.95	11.62	12.25	13.42	14.49	15.49	16.43	
11	0.083						1.10	1.74			3.10	3.60	4.10	4.50	4.80	5.10		5.80	6.40	7.00	8.00	9.10	10.29	11.00								
11.5							1.15				3.00	3.30	3.80	4.24	4.65	5.02		5.37	6.00	6.57	7.35	8.49	9.49	10.39	11.22	12.05	12.78	13.47	14.76	15.94	17.04	18.07
12	0.087						1.20	1.90			3.13	3.40	4.00	4.42	4.84	5.23		5.59	6.25	6.85	7.65	8.84	9.88	10.83	11.69	12.50						
12.5	0.089						1.25	1.98			3.25	3.60	4.10	4.60	5.03	5.44		5.81	6.50	7.12	7.96	9.19	10.28	11.26	14.00	13.15	13.94	14.70	16.10	17.39	18.59	19.72
13	0.910						1.30	2.06			3.50	3.80	4.40	4.95	5.42	5.86		6.26	7.00	7.67	8.57	9.90	11.07	12.12	15.03	13.88	14.72	15.51	16.99	18.36	19.62	20.81
14	0.930						1.40	2.21			3.75	4.10	4.70	5.30	5.81	6.27		6.71	7.50	8.22	9.19	10.61	11.86	12.99	14.03	14.97	15.88	16.74	18.34	19.80	21.17	22.46
15	0.960	0.53	0.75				1.30	1.50	2.37		3.40	3.70	4.30	4.90	5.40	5.90		6.40	7.20	8.00												
16							1.60				4.40	5.10	5.70	6.40	7.00	7.60		8.20	9.00													
18	0.141						1.80				4.90	5.70	6.40	7.00	7.50	8.00		8.50	9.00													
20	0.109	0.71	1.00	1.40	1.73	2.00	3.16	4.50		5.00	5.50	6.30	7.07	7.75	8.37		8.94	10.00	10.95	12.25	14.14	15.81	17.32	18.79	20.08	21.30	22.45	24.60	26.57	28.40	30.12	
25	0.125						2.50	3.95		6.25	6.90	7.90	8.84	9.68	10.46	11.18		12.50	13.69	15.31	17.68	19.76	21.85	23.57	25.20	26.72	28.17	30.86	33.33	35.63	37.79	
30	0.141	1.10	1.50	2.10	2.60	3.00	4.74	6.70		7.50	8.20	9.50	10.61	11.62	12.55	13.42		15.00	16.43	18.37	21.12	23.72	25.98	28.01	29.94	31.76	33.48	36.67	39.61	42.34	44.91	
35	0.196						3.50			9.60	11.10	12.40	13.60	14.60	15.70	17.50		21.00	25.00	28.00	30.00	32.00	34.64	37.17	39.19	42.93	46.37	49.57	52.58			
40	0.156	1.40	2.00	2.80	3.50	4.00	6.32	8.90		11.00	12.60	14.14	15.49	16.73	17.89	20.00		21.91	24.49	28.28	31.62	34.64	37.40	40.17	42.60	44.91	49.19	53.14	56.80	60.25		
50	0.172	1.80	2.50	3.50	4.30	5.00	7.91	11.20		13.70	15.80	17.68	19.36	20.92	22.36	25.00		27.39	30.62	35.36	39.53	43.30	46.79	50.03	53.06	55.93	61.27	66.18	70.75	75.04		
60	0.188	2.10	3.00	4.20	5.00	6.00	9.49	13.40		16.40	19.00	21.21	23.24	25.10	26.83	30.00		32.86	36.74	42.43	47.43	51.96	56.02	59.88	63.52	66.95	73.34	79.22	84.69	89.83		
70	0.281	2.50	3.50	4.90	6.10	7.00	15.70			19.20	22.00	25.00	27.00	29.00	31.00	35.00		43.00	49.00	55.00	61.00	65.58	70.11	74.36	78.38	85.87	92.74	99.15	105.16			
80	0.297						8.00			22.00	25.00	28.00	31.00	33.00	36.00	40.00		49.00	57.00	63.00	69.00	75.14	80.33	85.21	89.81	98.39	106.27	113.61	120.50			
90	0.316						9.00			25.00	28.00	32.00	35.00	38.00	40.00	45.00		55.00	64.00	71.00	78.00	85.39	91.29	96.82	102.06	111.80	120.76	129.10	136.93			
105										29.00	33.00	37.00	41.00	44.00	47.00	53.00		64.00	75.00	83.00	91.00											