

NOZZLE FLOW RATE CHART

U.S. STANDARD MEASUREMENTS

NOZZLE SIZE	ORIFICE DIAMETER IN (INCHES)	MEASUREMENTS IN GALLONS PER MINUTE (GPM)													
		40 PSI (2.8 bar)	100 PSI (6.9 bar)	250 PSI (17.2 bar)	500 PSI (34.5 bar)	800 PSI (55.2 bar)	1000 PSI (68.9 bar)	1200 PSI (82.7 bar)	1500 PSI (103.4 bar)	2000 PSI (127.9 bar)	2500 PSI (172.4 bar)	3000 PSI (206.8 bar)	3500 PSI (241.3 bar)	4000 PSI (275.8 bar)	5000 PSI (344.7 bar)
1.0	.026	0.10	0.16	0.25	0.35	0.45	0.50	0.55	0.61	0.70	0.79	0.87	0.94	1.00	1.11
2.0	.035	0.20	0.32	0.50	0.71	0.89	1.00	1.10	1.22	1.44	1.58	1.73	1.87	2.00	2.24
2.5	.039	0.25	0.40	0.63	0.88	1.12	1.25	1.37	1.53	1.77	1.98	2.17	2.34	2.50	2.80
3.0	.043	0.30	0.47	0.75	1.06	1.34	1.50	1.64	1.84	2.12	2.37	2.60	2.81	3.00	3.35
3.5	.048	0.35	0.55	0.88	1.24	1.57	1.75	1.92	2.14	2.47	2.77	3.03	3.27	3.50	3.91
4.0	.052	0.40	0.63	1.00	1.41	1.79	2.00	2.19	2.45	2.83	3.16	3.46	3.74	4.00	4.47
4.5	.055	0.45	0.71	1.13	1.59	2.01	2.25	2.46	2.76	3.18	3.56	3.90	4.21	4.50	5.03
5.0	.057	0.50	0.79	1.25	1.77	2.24	2.50	2.74	3.06	3.54	3.95	4.33	4.68	5.00	5.59
5.5	.060	0.55	0.87	1.38	1.94	2.46	2.75	3.01	3.37	3.89	4.35	4.76	5.14	5.50	6.15
6.0	.062	0.60	0.95	1.50	2.12	2.68	3.00	3.29	3.67	4.24	4.74	5.20	5.61	6.00	6.71
6.5	.064	0.65	1.03	1.63	2.30	2.91	3.25	3.56	3.98	4.60	5.14	5.63	6.08	6.50	7.27
7.0	.067	0.70	1.11	1.75	2.47	3.13	3.50	3.83	4.29	4.95	5.53	6.06	6.55	7.00	7.83
7.5	.070	0.75	1.19	1.88	2.65	3.35	3.75	4.11	4.59	5.30	5.93	6.50	7.02	7.50	8.39
8.0	.072	0.80	1.26	2.00	2.83	3.58	4.00	4.38	4.90	5.66	6.32	6.93	7.48	8.00	8.94
8.5	.074	0.85	1.34	2.13	3.01	3.80	4.25	4.66	5.21	6.01	6.72	7.36	7.95	8.50	9.50
9.0	.076	0.90	1.42	2.25	3.18	4.02	4.50	4.93	5.51	6.36	7.12	7.79	8.42	9.00	10.06
9.5	.078	0.95	1.50	2.38	3.36	4.25	4.75	5.20	5.82	6.72	7.51	8.23	8.89	9.50	10.62
10.0	.080	1.00	1.58	2.50	3.54	4.47	5.00	5.48	6.12	7.07	7.91	8.66	9.35	10.00	11.18
11.0	.083	1.10	1.74	2.75	3.89	4.92	5.50	6.02	6.74	7.78	8.70	9.53	10.29	11.00	12.30
12.0	.087	1.20	1.90	3.00	4.24	5.37	6.00	6.57	7.35	8.49	9.49	10.39	11.22	12.00	13.42



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METRIC MEASUREMENTS

NOZZLE SIZE	ORIFICE DIAMETER (mm)	MEASUREMENTS IN LITERS PER MINUTE (LPM)													
		3 bar (43 PSI)	6 bar (87 PSI)	15 bar (217 PSI)	35 bar (507 PSI)	55 bar (797 PSI)	70 bar (1015 PSI)	80 bar (1160 PSI)	100 bar (1450 PSI)	125 bar (1813 PSI)	150 bar (2176 PSI)	200 bar (2900 PSI)	250 bar (3626 PSI)	275 bar (3988 PSI)	350 bar (5076 PSI)
1.0	0.66	0.39	0.56	0.88	1.35	1.69	1.91	2.04	2.28	2.55	2.79	3.22	3.60	3.78	4.26
2.0	0.89	0.79	1.12	1.77	2.70	3.38	3.81	4.08	4.56	5.10	5.58	6.45	7.21	7.56	8.53
2.5	0.99	0.99	1.40	2.21	3.37	4.23	4.77	5.10	5.70	6.37	6.98	8.06	9.01	9.45	10.66
3.0	1.09	1.18	1.68	2.65	4.05	5.07	5.72	6.12	6.84	7.65	8.38	9.67	10.81	11.34	12.79
3.5	1.22	1.38	1.95	3.09	4.72	5.92	6.67	7.14	7.98	8.92	9.77	11.28	12.61	12.23	14.93
4.0	1.32	1.58	2.23	3.53	5.39	6.76	7.63	8.16	9.12	10.19	11.17	12.89	14.42	15.12	17.06
4.5	1.40	1.78	2.51	3.97	6.07	7.61	8.58	9.17	10.26	11.47	12.56	14.51	16.22	17.01	19.19
5.0	1.45	1.97	2.79	4.41	6.74	8.45	9.54	10.19	11.40	12.74	13.96	16.12	18.02	18.90	21.32
5.5	1.52	2.17	3.07	4.86	7.42	9.30	10.49	11.21	12.54	14.02	15.35	17.73	19.82	20.79	23.45
6.0	1.58	2.37	3.35	5.30	8.09	10.14	11.44	12.23	13.68	15.29	16.75	19.34	21.62	22.68	25.59
6.5	1.63	2.57	3.63	5.74	8.77	10.99	12.40	13.25	14.82	16.57	18.15	20.95	23.43	24.57	27.72
7.0	1.70	2.76	3.91	6.18	9.44	11.83	13.35	14.27	15.96	17.84	19.54	22.57	25.23	25.46	29.85
7.5	1.78	2.96	4.19	6.62	10.11	12.68	14.30	15.29	17.10	19.11	20.94	24.18	27.03	28.35	31.98
8.0	1.83	3.16	4.47	7.06	10.79	13.52	15.26	16.31	18.24	20.39	22.33	25.79	28.83	30.24	34.12
8.5	1.88	3.36	4.75	7.50	11.46	14.37	16.21	17.33	19.38	21.66	23.73	27.40	30.63	32.13	36.25
9.0	1.93	3.55	5.03	7.95	12.14	15.21	17.16	18.35	20.51	22.94	25.13	29.01	32.44	34.02	38.38
9.5	1.98	3.75	5.30	8.39	12.81	16.06	18.12	19.37	21.65	24.21	26.52	30.62	34.24	35.91	40.51
10.0	2.03	3.95	5.58	8.83	13.49	16.90	19.07	20.39	22.79	25.48	27.92	32.24	36.04	37.80	42.64
11.0	2.11	4.34	6.14	9.71	14.83	18.60	20.98	22.43	25.07	28.03	30.71	35.46	39.64	41.58	46.91
12.0	2.21	4.74	6.70	10.59	16.18	20.29	22.89	24.47	27.35	30.58	33.50	38.68	43.25	45.36	51.17

