



10835 Grissom Lane
Dallas, TX 75229

972-406-0222
800-284-0205

Table of Nozzle Discharge
(Gallons Per Minute - GPM)

Nozzle Orifice (Inches)	Pressure At Nozzle - Pounds Per Square Inch (psi)													Nozzle Orifice (Inches)
	10	20	30	40	50	60	70	80	90	100	110	120	130	
1/16	.37	.52	.64	.74	.82	.90	.97	1.04	1.10	1.16	1.22	1.27	1.33	1/16
5/64	.58	.81	1.00	1.15	1.29	1.41	1.52	1.63	1.73	1.82	1.91	1.99	2.07	5/64
2/32	.83	1.17	1.44	1.66	1.85	2.03	2.19	2.34	2.49	2.62	2.75	2.87	2.99	2/32
7/64	1.13	1.60	1.95	2.26	2.52	2.76	2.99	3.19	3.38	3.57	3.74	3.91	4.07	7/64
1/8	1.47	2.08	2.55	2.95	3.29	3.61	3.90	4.17	4.42	4.66	4.89	5.10	4.31	1/8
9/64	1.87	2.64	3.23	3.73	4.17	4.57	4.93	5.28	5.60	5.90	6.19	6.46	6.72	9/64
5/32	2.30	3.25	3.99	4.60	5.14	5.64	6.09	6.51	6.90	7.28	7.63	7.97	8.30	5/32
11/64	2.79	3.94	4.82	5.57	6.23	6.82	7.37	7.88	8.36	8.81	9.24	9.65	10.04	11/64
3/16	3.32	4.69	5.74	6.63	7.41	8.12	8.77	9.38	9.95	10.48	11.00	11.48	11.95	3/16
13/64	3.89	5.50	6.74	7.78	8.70	9.53	11.29	11.00	11.67	12.30	12.90	13.46	14.02	13/64
7/32	4.51	6.38	7.82	9.03	10.09	11.05	11.94	12.76	13.54	14.27	14.97	15.63	16.27	7/32
15/64	5.18	7.32	8.97	10.35	11.58	12.68	13.70	14.64	15.53	16.37	17.17	17.93	18.66	15/64
1/4	5.89	8.34	10.21	11.79	13.18	14.44	15.59	16.67	17.68	18.64	19.55	20.42	21.25	1/4
17/64	6.65	9.41	11.52	13.31	14.88	16.30	17.60	18.82	19.96	21.04	22.07	23.05	23.99	17/64
9/32	7.46	10.55	12.92	14.92	16.68	18.27	19.74	21.10	22.38	23.59	24.74	25.84	26.89	9/32
5/16	9.21	13.02	15.95	18.42	20.59	22.56	24.36	26.05	27.63	29.12	30.54	31.90	33.20	5/16
11/32	11.14	15.76	19.30	22.28	24.92	27.29	29.48	31.52	33.43	35.24	36.95	38.60	40.17	11/32
3/8	13.26	18.75	22.97	26.52	29.65	32.48	35.08	37.51	39.78	41.93	43.98	45.94	47.81	3/8
13/32	15.56	22.00	26.95	31.12	34.79	38.11	41.17	44.01	46.68	49.20	51.60	53.90	56.10	13/32
7/16	18.05	25.52	31.26	36.10	40.36	44.21	47.75	51.05	54.15	57.08	59.86	62.52	65.08	7/16
15/32	20.72	29.30	35.88	41.44	46.33	50.75	54.81	58.60	62.15	65.52	68.71	71.77	74.70	15/32
1/2	23.57	33.34	40.83	47.15	52.72	57.75	62.37	66.68	70.72	74.55	78.19	81.67	85.00	1/2
17/32	26.61	37.63	46.09	53.22	59.50	65.18	70.41	75.27	79.83	84.15	88.26	92.18	95.95	17/32
9/16	29.84	42.19	51.68	59.67	66.72	73.08	78.94	84.39	89.51	94.35	98.96	103.36	107.58	9/16
19/32	33.24	47.01	57.58	66.48	74.33	81.43	87.95	94.02	99.73	105.12	110.25	115.15	119.86	19/32
5/8	36.83	52.09	63.80	73.67	82.36	90.23	97.45	104.18	110.50	116.48	122.17	127.60	132.81	5/8
11/16	44.58	63.04	77.21	89.15	99.67	109.19	117.94	126.08	133.73	140.96	147.84	154.41	160.72	11/16
3/4	53.04	75.02	91.87	106.09	118.61	129.93	140.34	150.03	159.13	167.74	175.93	183.75	191.25	3/4
13/16	62.25	88.04	107.83	124.51	139.21	152.50	164.71	176.09	186.77	196.87	206.48	215.66	224.46	13/16
7/8	72.20	102.10	125.05	144.40	161.44	176.85	191.02	204.21	216.59	228.31	239.45	250.10	260.31	7/8
15/16	82.88	117.21	143.55	165.76	185.33	203.02	219.28	234.42	248.64	262.09	274.88	287.11	298.83	15/16
1	94.30	133.36	163.33	188.60	210.86	230.99	249.50	266.72	282.90	298.20	312.76	326.66	340.00	1
1 1/8	119.35	168.78	206.71	238.69	266.86	292.33	315.76	337.56	358.03	377.40	395.82	413.42	430.30	1 1/8
1 1/4	147.34	208.37	255.20	294.69	329.47	360.92	389.83	416.75	442.03	465.94	488.68	510.41	531.26	1 1/4
1 3/8	178.28	252.13	308.79	356.56	398.65	436.70	471.69	504.26	534.85	563.78	591.30	617.59	642.81	1 3/8
1 1/2	212.17	300.13	367.49	424.35	474.44	519.72	561.36	600.12	636.52	670.95	703.70	735.00	765.00	1 1/2
1 5/8	249.00	352.15	431.29	498.02	556.80	609.94	658.81	704.30	747.02	787.43	825.86	862.59	897.81	1 5/8
1 3/4	288.79	408.41	500.20	577.69	645.76	707.40	764.07	816.83	866.37	913.24	957.82	1000.41	1041.25	1 3/4

Note: Theoretical discharge rates shown in this chart have been calculated with a coefficient of discharge (K) factor of 1. This factor may vary slightly for individual nozzles due to length of orifice and internal configuration. Figures shown are normally maximum discharge. Use for approximation only.