

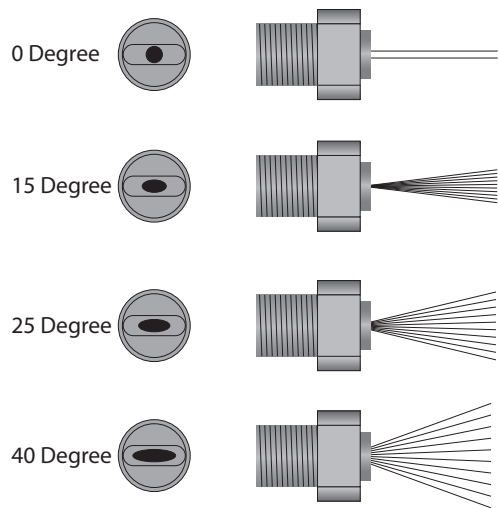
Nozzle Size	Desired PSI																	
	40	100	250	500	600	700	800	1,000	1,200	1,500	2,000	2,500	3,000	3,500	4,000	4,500	5,000	6,000
1.00	0.10	0.16	0.25	0.35	0.39	0.42	0.45	0.50	0.55	0.61	0.71	0.79	0.87	0.94	1.00	1.06	1.12	1.22
1.50	0.15	0.24	0.38	0.53	0.58	0.63	0.67	0.75	0.82	0.92	1.06	1.19	1.30	1.40	1.50	1.59	1.68	1.84
2.00	0.20	0.32	0.50	0.71	0.77	0.84	0.89	1.00	1.10	1.22	1.41	1.58	1.73	1.87	2.00	2.12	2.24	2.45
2.50	0.25	0.40	0.63	0.88	0.97	1.05	1.12	1.25	1.37	1.53	1.77	1.98	2.17	2.34	2.50	2.65	2.80	3.06
3.00	0.30	0.47	0.75	1.06	1.16	1.25	1.34	1.50	1.64	1.84	2.12	2.37	2.60	2.81	3.00	3.18	3.35	3.67
3.50	0.35	0.55	0.88	1.24	1.36	1.46	1.57	1.75	1.92	2.14	2.47	2.77	3.03	3.27	3.50	3.71	3.91	4.29
4.00	0.40	0.63	1.00	1.41	1.55	1.67	1.79	2.00	2.19	2.45	2.83	3.16	3.46	3.74	4.00	4.24	4.47	4.90
4.50	0.45	0.71	1.13	1.59	1.74	1.88	2.01	2.25	2.46	2.76	3.18	3.56	3.90	4.21	4.50	4.77	5.03	5.51
5.00	0.50	0.79	1.25	1.77	1.94	2.09	2.24	2.50	2.74	3.06	3.54	3.95	4.33	4.68	5.00	5.30	5.59	6.12
5.50	0.55	0.87	1.38	1.94	2.13	2.30	2.46	2.75	3.01	3.37	3.89	4.35	4.76	5.14	5.50	5.83	6.15	6.74
6.00	0.60	0.95	1.50	2.12	2.32	2.51	2.68	3.00	3.29	3.67	4.24	4.74	5.20	5.61	6.00	6.36	6.71	7.35
6.50	0.65	1.03	1.63	2.30	2.52	2.72	2.91	3.25	3.56	3.98	4.60	5.14	5.63	6.08	6.50	6.89	7.27	7.96
7.00	0.70	1.11	1.75	2.47	2.71	2.93	3.13	3.50	3.83	4.29	4.95	5.53	6.06	6.55	7.00	7.42	7.83	8.57
7.50	0.75	1.19	1.88	2.65	2.90	3.14	3.35	3.75	4.11	4.59	5.30	5.93	6.50	7.02	7.50	7.95	8.39	9.19
8.00	0.80	1.26	2.00	2.83	3.10	3.35	3.58	4.00	4.38	4.90	5.66	6.32	6.93	7.48	8.00	8.49	8.94	9.80
8.50	0.85	1.34	2.13	3.01	3.29	3.56	3.80	4.25	4.66	5.21	6.01	6.72	7.36	7.95	8.50	9.02	9.50	10.41
9.00	0.90	1.42	2.25	3.18	3.49	3.76	4.02	4.50	4.93	5.51	6.36	7.12	7.79	8.42	9.00	9.55	10.06	11.02
10.00	1.00	1.58	2.50	3.54	3.87	4.18	4.47	5.00	5.48	6.12	7.07	7.91	8.66	9.35	10.00	10.61	11.18	12.25
12.00	1.20	1.90	3.00	4.24	4.65	5.02	5.37	6.00	6.57	7.35	8.49	9.49	10.39	11.22	12.00	12.73	13.42	14.70
14.00	1.40	2.21	3.50	4.95	5.42	5.86	6.26	7.00	7.67	8.57	9.90	11.07	12.12	13.10	14.00	14.85	15.65	17.15
15.00	1.50	2.37	3.75	5.30	5.81	6.27	6.71	7.50	8.22	9.19	10.61	11.86	12.99	14.03	15.00	15.91	16.77	18.37
20.00	2.00	3.16	5.00	7.07	7.75	8.37	8.94	10.00	10.95	12.25	14.14	15.81	17.32	18.71	20.00	21.21	22.36	24.49
30.00	3.00	4.74	7.50	10.61	11.62	12.55	13.42	15.00	16.43	18.37	21.21	23.72	25.98	28.06	30.00	31.82	33.54	36.74
40.00	4.00	6.32	10.00	14.14	15.49	16.73	17.89	20.00	21.91	24.49	28.28	31.62	34.64	37.42	40.00	42.43	44.72	48.99
50.00	5.00	7.91	12.50	17.68	19.36	20.92	22.36	25.00	27.39	30.62	35.36	39.53	43.30	46.77	50.00	53.03	55.90	61.24
60.00	6.00	9.49	15.00	21.21	23.24	25.10	26.83	30.00	32.86	36.74	42.43	47.43	51.96	56.12	60.00	63.64	67.08	73.48

To ensure you choose the proper nozzle size for your application, please consult this Nozzle Sizing Chart and follow these steps:

1. Find your desired pressure (PSI) in the yellow shaded area.
2. Move down the column with your desired PSI to locate the maximum flow for your machine (GPM).
3. When you have located the maximum flow for your machine under the desired pressure, move to the left column. The cell that is on the same row as your max flow will be the nozzle size you need.

If this chart does not have the information you seek, use the formula;  
 Nozzle Size = GPM ( $\sqrt{4000/PSI}$ )

Spray pattern has no effect on PSI output. A 40° #5 nozzle and a 25° #5 nozzle used with a 3 GPM machine will both output approximately 1,500 PSI. Nozzles are described with four numbers. The first two numbers are the spray pattern, and the second two numbers are the nozzle size. So a 4005 nozzle has a 40° spray pattern and a #5 orifice. Most nozzles will have a 1/4" male thread, but some used in surface cleaners or duct spinners will have a 1/8" male thread.



Water* Flow GPM	Pressure drop is PSI per 100 feet of hose with typical water flow rates.						
	Hose Inside Diameters (Inches)						
	1/4	5/16	3/8	1/2	5/8	3/4	1
0.5	16	5	2				
1	54	20	7	2			
2	180	60	25	6	2		
3	380	120	50	13	4	2	
4		220	90	24	7	3	
5		320	130	34	10	4	
6			220	52	16	7	1t
8			300	80	25	10	2
10				120	38	14	3
15				250	80	30	7
20					121	50	12
25					200	76	19
40					410	162	42
60						370	93