

UP3® NOZZLE FLOW CHART

# Nozzle Flow vs. Pressure

Operating pressure always affects the flow rate. Use this chart to determine your nozzle flow at different pressures. Senninger's patented easy-clean easy-change UP3 nozzles are backed by an unprecedented industry warranty to retain their original nozzle size for five years.

Nozzle Number and Nozzle color	Nozzle Orifice Size		6 psi 0.41 bar		10 psi 0.69 bar		15 psi 1.03 bar		20 psi 1.38 bar		25 psi 1.72 bar		30 psi 2.07 bar		35 psi 2.42 bar		40 psi 2.76 bar		50 psi 3.45 bar	
			gpm	(L/hr)	gpm	(L/hr)	gpm	(L/hr)	gpm	(L/hr)	gpm	(L/hr)	gpm	(L/hr)	gpm	(L/hr)	gpm	(L/hr)	gpm	(L/hr)
#2 Pink	1/32"	0.79 mm	0.07	16	0.09	20	0.11	25	0.12	27	0.14	32	0.15	34	0.16	36	0.18	41	0.20	45
#2.5	5/128"	0.99 mm	0.11	25	0.14	32	0.17	39	0.19	43	0.22	50	0.24	55	0.26	59	0.28	64	0.31	70
#3 Ice	3/64"	1.19 mm	0.15	34	0.20	45	0.24	55	0.28	64	0.31	70	0.34	77	0.37	84	0.40	91	0.44	100
#3.5	7/128"	1.4 mm	0.21	48	0.27	61	0.33	75	0.38	86	0.43	98	0.47	107	0.50	114	0.54	123	0.60	136
#4 Light Blue	1/16"	1.59 mm	0.27	61	0.35	79	0.43	98	0.50	114	0.56	127	0.61	139	0.66	150	0.70	159	0.79	179
#4.5	9/128"	1.78 mm	0.35	79	0.45	102	0.55	125	0.63	143	0.71	161	0.77	175	0.84	191	0.89	202	1.00	227
#5 Beige	5/64"	1.98 mm	0.43	98	0.55	125	0.68	154	0.78	177	0.87	198	0.96	218	1.04	236	1.11	252	1.24	282
#5.5	11/128"	2.16 mm	0.52	118	0.67	152	0.82	186	0.95	216	1.06	241	1.16	263	1.26	286	1.34	304	1.50	341
#6 Gold	3/32"	2.38 mm	0.62	141	0.80	182	0.98	223	1.13	257	1.26	286	1.38	313	1.50	341	1.60	363	1.79	407
#6.5	13/128"	2.59 mm	0.73	166	0.94	213	1.15	261	1.33	302	1.49	338	1.63	370	1.76	400	1.88	427	2.10	477
#7 Lime	7/64"	2.78 mm	0.85	193	1.09	248	1.34	304	1.54	350	1.73	393	1.89	429	2.04	463	2.18	495	2.44	554
#7.5	15/128"	2.97 mm	0.97	220	1.26	286	1.54	350	1.77	402	1.98	450	2.17	493	2.35	534	2.51	570	2.81	638
#8 Lavender	1/8"	3.18 mm	1.11	252	1.43	325	1.75	397	2.02	459	2.26	513	2.48	563	2.68	609	2.86	650	3.20	727
#8.5	17/128"	3.38 mm	1.25	284	1.62	368	1.98	450	2.29	520	2.56	581	2.80	636	3.02	686	3.23	734	3.61	820
#9 Grey	9/64"	3.57 mm	1.40	318	1.81	411	2.22	504	2.56	581	2.87	652	3.14	713	3.39	770	3.63	824	4.06	922
#9.5	19/128"	3.76 mm	1.57	357	2.02	459	2.48	563	2.86	650	3.20	727	3.50	795	3.78	859	4.04	918	4.52	1027
#10 Turquoise	5/32"	3.97 mm	1.74	395	2.24	509	2.75	625	3.17	720	3.55	806	3.88	881	4.20	954	4.49	1020	5.01	1138
#10.5	21/128"	4.17 mm	1.92	436	2.47	561	3.03	688	3.50	795	3.91	888	4.29	974	4.63	1052	4.95	1124	5.53	1256
#11 Yellow	11/64"	4.37 mm	2.10	477	2.72	618	3.33	756	3.84	872	4.30	977	4.71	1070	5.08	1154	5.43	1233	6.08	1381
#11.5	23/128"	4.57 mm	2.30	522	2.97	675	3.64	827	4.20	954	4.70	1067	5.15	1170	5.56	1263	5.94	1349	6.65	1510
#12 Red	3/16"	4.76 mm	2.51	570	3.24	736	3.97	902	4.58	1040	5.12	1163	5.61	1274	6.06	1376	6.48	1472	7.24	1644
#12.5	25/128"	4.95 mm	2.72	618	3.52	799	4.31	979	4.97	1129	5.56	1263	6.09	1383	6.58	1494	7.03	1597	7.86	1785
#13 White	13/64"	5.16 mm	2.95	670	3.81	865	4.66	1058	5.38	1222	6.02	1367	6.59	1497	7.12	1617	7.61	1728	8.51	1933
#13.5	27/128"	5.36 mm	3.18	722	4.11	933	5.03	1142	5.81	1320	6.49	1474	7.11	1615	7.68	1744	8.21	1865	9.18	2085
#14 Blue	7/32"	5.56 mm	3.42	777	4.42	1004	5.41	1229	6.25	1420	6.99	1588	7.65	1738	8.27	1878	8.84	2008	9.88	2244
#14.5	29/128"	5.77 mm	3.67	834	4.74	1077	5.81	1320	6.71	1524	7.50	1703	8.21	1865	8.87	2015	9.48	2153	10.60	2408
#15 Dk. Brown	15/64"	5.95 mm	3.93	893	5.08	1154	6.22	1413	7.18	1631	8.03	1824	8.79	1996	9.50	2158	10.15	2305	11.35	2578
#15.5	31/128"	6.15 mm	4.20	954	5.42	1231	6.64	1508	7.67	1742	8.57	1946	9.39	2133	10.14	2303	10.84	2462	12.12	2753
#16 Orange	1/4"	6.35 mm	4.48	1018	5.78	1313	7.08	1608	8.17	1856	9.14	2076	10.01	2274	10.81	2455	11.56	2626	12.92	2934
#16.5	33/128"	6.55 mm	4.76	1081	6.15	1397	7.53	1710	8.69	1974	9.72	2208	10.65	2419	11.50	2612	12.30	2794	13.75	3123
#17 Dk. Green	17/64"	6.75 mm	5.06	1149	6.53	1483	7.99	1815	9.23	2096	10.32	2344	11.31	2569	12.21	2773	13.06	2966	14.60	3316
#17.5	35/128"	6.93 mm	5.36	1217	6.92	1572	8.47	1924	9.78	2221	10.94	2485	11.98	2721	12.94	2939	13.84	3143	15.47	3514
#18 Purple	9/32"	7.14 mm	5.67	1288	7.32	1663	8.96	2035	10.35	2351	11.57	2628	12.68	2880	13.69	3109	14.64	3325	16.37	3718
#18.5	37/128"	7.34 mm	5.99	1360	7.73	1756	9.47	2151	10.93	2482	12.22	2775	13.39	3041	14.46	3284	15.46	3511	17.28	3925
#19 Black	19/64"	7.54 mm	6.31	1433	8.15	1851	9.98	2267	11.53	2619	12.89	2928	14.12	3207	15.25	3464	16.30	3702	18.23	4140
#19.5	39/128"	7.75 mm	6.65	1510	8.58	1949	10.51	2387	12.14	2757	13.57	3082	14.86	3375	16.05	3645	17.16	3897	19.19	4359
#20 Dk. Turquoise	5/16"	7.94 mm	6.99	1588	9.02	2049	11.05	2510	12.76	2898	14.27	3241	15.63	3550	16.88	3834	18.05	4100	20.18	4583
#20.5	41/128"	8.13 mm	7.34	1667	9.47	2151	11.60	2635	13.40	3043	14.98	3402	16.41	3727	17.72	4025	18.95	4304	21.18	4811
#21 Mustard	21/64"	8.33 mm	7.70	1749	9.93	2255	12.17	2764	14.05	3191	15.71	3568	17.21	3909	18.59	4222	19.87	4513	22.21	5044
#21.5	43/128"	8.53 mm	8.06	1831	10.40	2362	12.74	2894	14.71	3341	16.45	3736	18.02	4093	19.46	4420	20.80	4724	23.26	5283
#22 Maroon	11/32"	8.73 mm	8.43	1915	10.88	2471	13.33	3028	15.39	3495	17.20	3907	18.85	4281	20.36	4624	21.76	4942	24.33	5526
#22.5	45/128"	8.94 mm	8.81	2001	11.37	2582	13.92	3162	16.08	3652	17.98	4084	19.69	4472	21.27	4831	22.74	5165	25.42	5774
#23 Cream	23/64"	9.13 mm	9.19	2087	11.87	2696	14.54	3302	16.78	3811	18.77	4263	20.56	4670	22.20	5042	23.74	5392	26.54	6028
#23.5	47/128"	9.32 mm	9.58	2176	12.37	2810	15.15	3441	17.49	3972	19.56	4443	21.43	4867	23.14	5256	24.74	5619	27.66	6282
#24 Dk. Blue	3/8"	9.53 mm	9.98	2267	12.88	2925	15.78	3584	18.22	4138	20.37	4627	22.31	5067	24.10	5474	25.77	5853	28.81	6543
#24.5	49/128"	9.73 mm	10.38	2358	13.40	3043	16.41	3727	18.95	4304	21.18	4811	23.20	5269	25.06	5692	26.59	6085	29.96	6805
#25 Copper	25/64"	9.92 mm	10.78	2448	13.92	3162	17.05	3872	19.69	4472	22.01	4999	24.11	5476	26.04	5914	27.84	6323	31.13	7070
#25.5	51/128"	10.11 mm	11.19	2542	14.45	3282	17.69	4018	20.43	4640	22.84	5188	25.02	5683	27.03	6139	28.89	6562	32.30	7336
#26 Bronze	13/32"	10.32 mm	11.60	2635	14.98	3402	18.35	4168	21.18	4811	23.68	5378	25.94	5892	28.02	6364	29.96	6805	33.49	7606