

SAPPHIRE NOZZLE FLOW CHART (MM, BAR / LPM)

INCH	MM	1,400	1,500	1,650	1,800	1,900	2,000	2,200	2,350	2,500	2,800
.004	0.10	0.17	0.18	0.19	0.20	0.21	0.21	0.22	0.23	0.23	0.25
.005	0.13	0.27	0.28	0.30	0.31	0.32	0.33	0.34	0.35	0.36	0.38
.006	0.15	0.39	0.41	0.43	0.45	0.46	0.48	0.49	0.51	0.52	0.55
.007	0.18	0.53	0.56	0.58	0.61	0.63	0.65	0.67	0.69	0.71	0.75
.008	0.20	0.70	0.73	0.76	0.79	0.82	0.85	0.88	0.91	0.93	0.98
.009	0.23	0.88	0.92	0.96	1.00	1.04	1.08	1.11	1.15	1.18	1.24
.010	0.25	1.09	1.14	1.19	1.24	1.29	1.33	1.37	1.42	1.46	1.54
.011	0.28	1.31	1.38	1.44	1.50	1.56	1.61	1.66	1.71	1.76	1.86
.012	0.30	1.56	1.64	1.71	1.78	1.85	1.92	1.98	2.04	2.10	2.21
.013	0.33	1.84	1.93	2.01	2.09	2.17	2.25	2.32	2.39	2.46	2.60
.014	0.36	2.13	2.23	2.33	2.43	2.52	2.61	2.69	2.78	2.86	3.01
.015	0.38	2.44	2.56	2.68	2.79	2.89	2.99	3.09	3.19	3.28	3.46
.016	0.41	2.78	2.92	3.05	3.17	3.29	3.41	3.52	3.63	3.73	3.93
.017	0.43	3.14	3.29	3.44	3.58	3.72	3.85	3.97	4.09	4.21	4.44
.018	0.46	3.52	3.69	3.86	4.01	4.17	4.31	4.45	4.59	4.72	4.98
.019	0.48	3.92	4.11	4.30	4.47	4.64	4.80	4.96	5.11	5.26	5.55
.020	0.51	4.35	4.56	4.76	4.96	5.14	5.32	5.50	5.67	5.83	6.15
.021	0.53	4.79	5.03	5.25	5.46	5.67	5.87	6.06	6.25	6.43	6.78
.022	0.56	5.26	5.52	5.76	6.00	6.22	6.44	6.65	6.86	7.06	7.44
.023	0.58	5.75	6.03	6.30	6.55	6.80	7.04	7.27	7.49	7.71	8.13
.024	0.61	6.26	6.56	6.86	7.14	7.41	7.67	7.92	8.16	8.40	8.85
.025	0.64	6.79	7.12	7.44	7.74	8.04	8.32	8.59	8.85	9.11	9.60
.026	0.66	7.35	7.70	8.05	8.38	8.69	9.00	9.29	9.58	9.86	10.39
.027	0.69	7.92	8.31	8.68	9.03	9.37	9.70	10.02	10.33	10.63	11.20
.028	0.71	8.52	8.93	9.33	9.71	10.08	10.43	10.78	11.11	11.43	12.05
.029	0.74	9.14	9.58	10.01	10.42	10.81	11.19	11.56	11.92	12.26	12.92
.030	0.76	9.78	10.26	10.71	11.15	11.57	11.98	12.37	12.75	13.12	13.83
.031	0.79	10.44	10.95	11.44	11.91	12.36	12.79	13.21	13.62	14.01	14.77
.032	0.81	11.13	11.67	12.19	12.69	13.17	13.63	14.07	14.51	14.93	15.74
.033	0.84	11.83	12.41	12.96	13.49	14.00	14.49	14.97	15.43	15.88	16.73
.034	0.86	12.56	13.17	13.76	14.32	14.86	15.38	15.89	16.38	16.85	17.76
.035	0.89	13.31	13.96	14.58	15.18	15.75	16.30	16.84	17.36	17.86	18.82
.036	0.91	14.08	14.77	15.43	16.06	16.66	17.25	17.81	18.36	18.89	19.92
.037	0.94	14.88	15.60	16.30	16.96	17.60	18.22	18.82	19.40	19.96	21.04
.038	0.97	15.69	16.46	17.19	17.89	18.57	19.22	19.85	20.46	21.05	22.19
.039	0.99	16.53	17.33	18.11	18.84	19.56	20.24	20.91	21.55	22.17	23.37
.040	1.02	17.39	18.23	19.05	19.82	20.57	21.29	21.99	22.67	23.33	24.59
.041	1.04	18.27	19.16	20.01	20.83	21.61	22.37	23.11	23.82	24.51	25.83
.042	1.07	19.17	20.10	21.00	21.86	22.68	23.48	24.25	24.99	25.72	27.11

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INCH	MM	1,400	1,500	1,650	1,800	1,900	2,000	2,200	2,350	2,500	2,800
.043	1.09	20.09	21.07	22.01	22.91	23.77	24.61	25.41	26.20	26.96	28.41
.044	1.12	21.04	22.06	23.05	23.99	24.89	25.77	26.61	27.43	28.22	29.75
.045	1.14	22.00	23.08	24.10	25.09	26.04	26.95	27.83	28.69	29.52	31.12
.046	1.17	22.99	24.12	25.19	26.22	27.21	28.16	29.08	29.98	30.85	32.52
.047	1.19	24.00	25.18	26.29	27.37	28.40	29.40	30.36	31.30	32.20	33.95
.048	1.22	25.04	26.26	27.43	28.55	29.62	30.66	31.67	32.64	33.59	35.41
.049	1.24	26.09	27.36	28.58	29.75	30.87	31.95	33.00	34.02	35.00	36.90
.050	1.27	27.17	28.49	29.76	30.97	32.14	33.27	34.36	35.42	36.45	38.42
.051	1.30	28.26	29.64	30.96	32.23	33.44	34.62	35.75	36.85	37.92	39.97
.052	1.32	29.38	30.82	32.19	33.50	34.77	35.99	37.17	38.31	39.42	41.55
.053	1.35	30.52	32.01	33.44	34.80	36.12	37.38	38.61	39.80	40.95	43.17
.054	1.37	31.69	33.23	34.71	36.13	37.49	38.81	40.08	41.31	42.51	44.81
.055	1.40	32.87	34.47	36.01	37.48	38.89	40.26	41.58	42.86	44.10	46.49
.056	1.42	34.08	35.74	37.33	38.85	40.32	41.74	43.10	44.43	45.72	48.19
.057	1.45	35.30	37.03	38.67	40.25	41.77	43.24	44.66	46.03	47.37	49.93
.058	1.47	36.55	38.34	40.04	41.68	43.25	44.77	46.24	47.66	49.04	51.70
.059	1.50	37.83	39.67	41.44	43.13	44.76	46.33	47.85	49.32	50.75	53.49
.060	1.52	39.12	41.03	42.85	44.60	46.29	47.91	49.48	51.00	52.48	55.32
.061	1.55	40.43	42.41	44.29	46.10	47.84	49.52	51.14	52.72	54.25	57.18
.062	1.57	41.77	43.81	45.76	47.63	49.42	51.16	52.84	54.46	56.04	59.07
.063	1.60	43.13	45.23	47.24	49.17	51.03	52.82	54.55	56.23	57.86	60.99
.064	1.63	44.51	46.68	48.76	50.75	52.66	54.51	56.30	58.03	59.71	62.94
.065	1.65	45.91	48.15	50.29	52.35	54.32	56.23	58.07	59.86	61.59	64.93
.066	1.68	47.33	49.64	51.85	53.97	56.01	57.97	59.87	61.72	63.50	66.94
.067	1.70	48.78	51.16	53.43	55.62	57.72	59.74	61.70	63.60	65.44	68.98
.068	1.73	50.25	52.70	55.04	57.29	59.45	61.54	63.56	65.51	67.41	71.06
.069	1.75	51.73	54.26	56.67	58.99	61.21	63.36	65.44	67.45	69.41	73.16
.070	1.78	53.24	55.84	58.33	60.71	63.00	65.21	67.35	69.42	71.44	75.30
.071	1.80	54.78	57.45	60.01	62.46	64.81	67.09	69.29	71.42	73.49	77.47
.072	1.83	56.33	59.08	61.71	64.23	66.65	68.99	71.25	73.45	75.58	79.66
.073	1.85	57.91	60.73	63.43	66.02	68.52	70.92	73.25	75.50	77.69	81.89
.074	1.88	59.50	62.41	65.18	67.84	70.41	72.88	75.27	77.58	79.83	84.15
.075	1.91	61.12	64.11	66.96	69.69	72.32	74.86	77.32	79.69	82.00	86.44
.076	1.93	62.76	65.83	68.75	71.56	74.26	76.87	79.39	81.83	84.21	88.76
.077	1.96	64.43	67.57	70.58	73.46	76.23	78.91	81.49	84.00	86.44	91.11
.078	1.98	66.11	69.34	72.42	75.38	78.22	80.97	83.62	86.20	88.70	93.49
.079	2.01	67.82	71.13	74.29	77.32	80.24	83.06	85.78	88.42	90.99	95.91
.080	2.03	69.54	72.94	76.18	79.29	82.29	85.17	87.97	90.67	93.30	98.35