

Nozzle Size Selection

Use the pressure (PSI) and flow rate (LPM) of the machine to select the appropriate high pressure, turbo, or longcast ST-78 nozzle size.

High Pressure & Turbo Nozzles

Longcast ST-78 Nozzles

Select the lower of two flow rate values. Downsize a nozzle when precise size not manufactured.
 The chart can provide an estimate only, as machines may not be running optimally and hose length/diameter varies.
 If you encounter any problems Chiefs is happy to exchange nozzles.

HP / Turbo	ST-78	500 PSI	750 PSI	1000 PSI	1250 PSI	1500 PSI	1750 PSI	2000 PSI	2250 PSI	2500 PSI	2750 PSI	3000 PSI	3250 PSI	3500 PSI	3750 PSI	4000 PSI	4500 PSI	5000 PSI
02	-	2.7	3.3	3.8	4.2	4.6	5.0	5.3	5.7	6.0	6.3	6.6	6.8	7.1	7.3	7.6	8.0	8.5
025	1.2mm	3.4	4.1	4.7	5.3	5.8	6.3	6.7	7.1	7.5	7.8	8.2	8.5	8.8	9.2	9.5	10.0	10.6
03	1.2mm	4.0	4.9	5.7	6.3	7.0	7.5	8.0	8.5	9.0	9.4	9.8	10.2	10.6	11.0	11.4	12.1	12.7
035	1.2mm	4.7	5.7	6.6	7.4	8.1	8.8	9.4	9.9	10.5	11.0	11.5	11.9	12.4	12.8	13.2	14.1	14.8
04	1.2mm	5.3	6.6	7.6	8.5	9.3	10.0	10.7	11.4	12.0	12.6	13.1	13.7	14.2	14.7	15.1	16.1	16.9
045	1.2mm	6.0	7.4	8.5	9.5	10.4	11.3	12.1	12.8	13.5	14.1	14.8	15.3	15.9	16.5	17.0	18.1	19.0
05	1.2mm	6.7	8.2	9.5	10.6	11.6	12.5	13.4	14.2	15.0	15.7	16.4	17.1	17.7	18.3	18.9	20.1	21.2
055	1.5mm	7.4	9.0	10.4	11.6	12.8	13.8	14.7	15.6	16.5	17.3	18.0	18.8	19.5	20.2	20.8	22.1	23.3
06	1.5mm	8.0	9.8	11.4	12.7	13.9	15.0	16.1	17.0	18.0	18.8	19.7	20.5	21.2	22.0	22.7	24.1	25.4
065	1.5mm	8.7	10.7	12.3	13.8	15.1	16.3	17.4	18.4	19.4	20.4	21.3	22.2	23.0	23.8	24.6	26.1	27.5
07	1.5mm	9.4	11.5	13.2	14.8	16.2	17.5	18.7	19.9	20.9	22.0	22.9	23.9	24.8	25.7	26.5	28.1	29.6
075	1.5mm	10.0	12.3	14.2	15.9	17.4	18.8	20.1	21.3	22.4	23.5	24.6	25.6	26.6	27.5	28.4	30.1	31.7
08	1.8mm	10.7	13.1	15.1	16.9	18.5	20.0	21.4	22.7	23.9	25.1	26.2	27.3	28.3	29.3	30.3	32.1	33.9
085	1.8mm	11.4	13.9	16.1	18.0	19.7	21.3	22.8	24.1	25.4	26.7	27.9	29.0	30.1	31.1	32.2	34.1	36.0
09	1.8mm	12.1	14.8	17.0	19.0	20.9	22.5	24.1	25.6	26.9	28.2	29.5	30.7	31.9	33.0	34.1	36.1	38.1
095	1.8mm	12.7	15.6	18.0	20.1	22.0	23.8	25.4	27.0	28.4	29.8	31.1	32.4	33.6	34.8	36.0	38.1	40.2
10	2.0mm	13.4	16.4	18.9	21.2	23.2	25.0	26.8	28.4	29.9	31.4	32.8	34.1	35.4	36.6	37.9	40.1	42.3
11	2.0mm	14.7	18.0	20.8	23.3	25.5	27.5	29.4	31.2	32.9	34.5	36.1	37.5	39.0	40.3	41.6	44.2	46.5
12	2.0mm	16.1	19.7	22.7	25.4	27.8	30.1	32.1	34.1	35.9	37.7	39.3	41.0	42.5	44.0	45.4	48.2	50.8
125	2.0mm	16.7	20.5	23.7	26.4	29.0	31.3	33.5	35.5	37.4	39.2	41.0	42.6	44.3	45.8	47.3	50.2	52.9
13	2.3mm	17.4	21.3	24.6	27.5	30.1	32.5	34.8	36.9	38.9	40.8	42.6	44.4	46.0	47.6	49.2	52.2	55.0
15	2.3mm	20.1	24.6	28.4	31.7	34.8	37.6	40.1	42.6	44.9	47.1	49.2	51.2	53.1	55.0	56.8	60.2	63.5
20	2.5mm	26.8	32.8	37.9	42.3	46.4	50.1	53.5	56.8	59.9	62.8	65.6	68.2	70.8	73.3	75.7	80.3	84.6
25	3.0mm	33.5	41.0	47.3	52.9	58.0	62.6	66.9	71.0	74.8	78.5	82.0	85.3	88.5	91.6	94.6	100.4	105.8
30	3.5mm	40.1	49.2	56.8	63.5	69.5	75.1	80.3	85.2	89.8	94.2	98.3	102.4	106.2	110.0	113.6	120.5	127.0
40	3.5mm	53.5	65.6	75.7	84.6	92.7	100.2	107.1	113.6	119.7	125.5	131.1	136.5	141.6	146.6	151.4	160.6	169.3
50	-	66.9	82.0	94.6	105.8	115.9	125.2	133.8	141.9	149.6	156.9	163.9	170.6	177.1	183.3	189.3	200.8	211.6
60	-	80.3	98.3	113.6	127.0	139.1	150.2	160.6	170.3	179.6	188.3	196.7	204.7	212.5	219.9	227.1	240.9	253.9

Litres per Minute (LPM)