

# Technical Data: Flow & Reach Data

Turbojet™ Nozzles Rated At 100 Psi										
Style	Nozzle Pressure		Flow Setting		Actual Flow		Straight Stream Reach*			
	PSI	BAR	GPM	LPM	GPM	LPM	Effective		Overall	
							FEET	METERS	FEET	METERS
1701, 1702 1703	75	5	13	50	11	42	50	15	60	18
			25	95	22	83	60	18	70	21
			40	150	35	132	77	23	87	26
			60	230	52	197	100	30	110	34
	100	7	13	50	13	50	57	17	67	20
			25	95	25	95	64	20	74	23
			40	150	40	150	90	27	100	30
			60	230	60	230	110	34	120	37
	125	8.5	13	50	15	57	57	17	67	20
			25	95	28	106	67	20	77	23
			40	150	45	170	97	30	107	33
			60	230	67	254	120	37	130	40
1714, 1715 1717, 1720	75	5	30	115	26	98	80	24	90	27
			60	230	52	197	107	33	117	36
			95	360	82	310	127	39	137	42
			125	475	108	409	130	40	146	45
	100	7	30	115	30	115	85	26	95	29
			60	230	60	230	115	35	125	38
			95	360	95	360	135	41	145	44
			125	475	125	475	140	43	150	46
	125	8.5	30	115	34	129	97	30	107	33
			60	230	67	254	120	37	130	40
			95	360	106	401	145	44	155	47
			125	475	140	530	150	46	160	49
1722, 1723 1724, 1737 (95-200 gpm)  1762, 1763 1766, 1767 (3-200 gpm)  1725, 1727 1729, 1733 1744 (125-250 gpm)	75	5	30	115	26	98	75	23	85	26
			95	360	82	310	117	36	127	39
			125	475	108	409	127	39	137	42
			150	550	130	492	145	44	155	47
			200	750	173	654	160	49	170	52
			250	950	217	821	165	50	175	53
	100	7	30	115	30	115	87	26	97	30
			95	360	95	360	140	43	150	46
			125	475	125	475	155	47	165	50
			150	550	150	550	160	49	170	52
			200	750	200	750	170	52	180	55
			250	950	250	950	175	53	185	56
	125	8.5	30	115	34	129	97	30	107	33
			95	360	106	401	145	44	155	47
			125	475	140	530	100	49	170	52
			150	550	168	636	175	53	185	56
			200	750	224	848	180	55	190	58
			250	950	280	1060	195	59	205	62

# Technical Data: Flow & Reach Data

Assault™ Nozzles Rated At 100 Psi												
Style	100 Psi Flow Setting	Actual Flow				Straight Stream Reach*						
		75 PSI 5 BAR	100 PSI 7 BAR	125 PSI 8.5 BAR		Effective			Overall			
						75 PSI 5 BAR	100 PSI 7 BAR	125 PSI 8.5 BAR	75 PSI 5 BAR	100 PSI 7 BAR	125 PSI 8.5 BAR	
4801, 4802 4804	13 50	11 42	13 49	15 57	gpm lpm	57 77	67 20	74 23	67 20	77 23	84 26	feet meters
	25 95	22 83	25 95	28 106	gpm lpm	70 21	77 23	87 27	80 24	87 27	97 30	feet meters
	40 150	35 132	40 150	45 170	gpm lpm	77 23	85 26	97 30	87 27	95 29	107 33	feet meters
4714, 4715 4717, 4720 4814, 4815 4817, 4820 4862, 4863 4866, 4867	95 360	82 310	95 360	106 401	gpm lpm	87 30	117 36	127 39	107 33	127 39	137 42	feet meters
	125 475	108 409	125 475	140 530	gpm lpm	117 36	127 39	130 40	127 39	137 42	140 44	feet meters
	150 550	130 492	150 550	168 636	gpm lpm	137 42	142 43	155 47	147 45	152 46	165 50	feet meters
	175 660	152 575	175 660	196 742	gpm lpm	145 44	153 47	165 50	155 47	163 50	175 53	feet meters
	200 750	173 655	200 750	224 848	gpm lpm	130 40	145 44	164 50	140 44	155 47	174 53	feet meters
4822, 4823 4824, 4825 4826, 4827 4837	200 750	173 655	200 750	224 848	gpm lpm	160 49	190 58	195 59	170 52	200 61	205 62	feet meters
	250 950	217 821	250 950	280 1060	gpm lpm	185 56	195 59	215 65	195 59	205 62	225 68	feet meters
	300 1140	260 984	300 1140	335 1268	gpm lpm	185 56	215 65	225 68	195 59	225 68	235 72	feet meters
	350 1325	303 1147	350 1325	391 1480	gpm lpm	185 56	210 64	225 68	195 59	220 67	235 72	feet meters

Assault Nozzles Rated At 75 Psi												
Style	75 Psi Flow Setting	Actual Flow				Effective			Overall			
		75 PSI 5 BAR	100 PSI 7 BAR	125 PSI 8.5 BAR		75 PSI 5 BAR	100 PSI 7 BAR	125 PSI 8.5 BAR	75 PSI 5 BAR	100 PSI 7 BAR	125 PSI 8.5 BAR	
4714, 4715 4717, 4720 4814, 4815 4817, 4820 4862, 4863, 4866, 4867	95 360	95 360	110 416	123 466	gpm lpm	107 33	125 38	127 39	117 39	135 41	137 42	feet meters
	125 475	125 475	144 545	161 609	gpm lpm	127 39	130 40	135 41	137 42	140 43	145 44	feet meters
	150 550	150 550	173 655	194 734	gpm lpm	127 39	140 43	145 44	137 42	150 46	155 47	feet meters
	175 660	175 660	202 765	226 855	gpm lpm	127 39	146 45	150 46	137 42	156 48	160 49	feet meters
4822, 4823 4824, 4825 4826, 4827 4837	200 750	200 750	231 874	258 977	gpm lpm	162 48	170 52	172 52	186 57	194 59	196 58	feet meters
	250 950	250 950	289 1094	323 1223	gpm lpm	165 50	176 54	178 54	188 57	196 60	198 60	feet meters
	300 1140	300 1140	346 1310	387 1465	gpm lpm	171 52	179 55	181 55	190 58	198 60	200 61	feet meters

Solid Bore Tips									
Style	Size	Nozzle Pressure		Actual Flow		Straight Stream Reach*			
		PSI	BAR	GPM	LPM	Effective		Overall	
						FEET	METERS	FEET	METERS
1430	1/2"	50	3.5	53	201	97	30	110	34
		80	5.5	66	250	121	37	140	43
439	1/2"	50	3.5	53	201	94	29	102	31
		80	5.5	66	250	106	32	123	37
439	15/16"	50	3.5	182	689	142	43	152	46
		80	5.5	230	871	175	53	185	56

\*Note: Reach figures are measured with nozzle at 32" above horizontal. Overall reach is considered where farthest droplets of water fall, in still conditions. Effective reach is considered the farthest portion of the water droplet foot print where fire fighting can be accomplished, in still conditions. Actual results will vary depending on conditions.

# Technical Data: Flow & Reach Data

SaberJet™ Fog Flow				
Style	Inlet Pressure		Flow	
	(PSI)	(BAR)	(GPM)	(LPM)
1512 1513	50	3.5	42	160
	75	5	52	197
	100	7	60	227
1515 1520	50	3.5	67	254
	75	5	82	310
	100	7	95	360
1522, 1523 1525, 1526 1532, 1533 1535, 1536	50	3.5	95	360
	75	5	118	447
	100	7	135	511

AquaStream™ & Mercury Master Stream Nozzles										
Style	Nozzle Pressure		Flow Setting		Actual Flow		Straight Stream Reach*			
	PSI	BAR	GPM	LPM	GPM	LPM	Effective		Overall	
							FEET	METERS	FEET	METERS
4450 4452 *4445 *4447	75	5	300	1140	260	984	155	47	165	50
			500	1900	435	1646	180	55	190	58
			700	2660	605	2290	180	55	190	58
	100	7	300	1140	300	1140	175	53	185	56
			500	1900	500	1900	210	64	220	67
			700	2660	700	2660	205	62	215	66
* 500 gpm MAX	125	8.5	300	1140	335	1268	200	61	220	64
			500	1900	560	2120	230	70	240	73
			700	2660	785	2971	210	64	222	68

SaberJet Solid Bore Flow								
Tip Size	Inlet Pressure		Solid Bore Flow		Solid Bore Reach*			
	(PSI)	(BAR)	(GPM)	(LPM)	Effective		Overall	
					FEET	METERS	FEET	METERS
3/8"	50	3.5	23	87	57	17	67	20
	75	5	30	114	67	20	77	23
1/2"	50	3.5	45	170	67	20	77	23
	75	5	60	227	87	27	97	30
5/8"	50	3.5	75	284	87	27	97	30
	75	5	95	360	107	33	117	36
3/4"	50	3.5	108	409	108	35	122	37
	75	5	135	571	117	36	135	41
7/8"	50	3.5	155	587	135	41	144	44
	75	5	190	719	156	47	165	50
15/16"	50	3.5	187	708	139	42	146	44
	75	5	229	867	161	49	170	52
1"	50	3.5	216	818	146	44	155	47
	75	5	266	1007	165	50	170	52

SaberMaster™ 500 Solid Bore Flow								
Style	Nozzle Pressure		Solid Bore Flow		Straight Stream Reach*			
	PSI	BAR	GPM	LPM	Effective		Overall	
					FEET	METERS	FEET	METERS
1545	50	3.5	380	1438	160	49	107	52
	75	5	480	1817	185	56	210	64
	100	7	557	2108	230	70	250	76
	125	8.5	615	2328	240	73	260	79
1577	80	5.5	1063	4023	270	82	290	88

SaberJet Combination Flows					
Style	Tip Size	Inlet Pressure		Flow	
		(PSI)	(BAR)	(GPM)	(LPM)
1512 1513	3/8"	50	3.5	66	250
		75	5	78	295
	1/2"	50	3.5	88	333
		75	5	107	405
	5/8"	50	3.5	108	409
		75	5	136	515
1515 1520	3/8"	50	3.5	94	356
		75	5	118	447
	1/2"	50	3.5	110	416
		75	5	140	530
	5/8"	50	3.5	136	515
		75	5	170	643
1522 1523 1525 1526	3/4"	50	3.5	199	753
		75	5	247	935
	7/8"	50	3.5	232	878
		75	5	289	1094
	15/16"	50	3.5	250	946
		75	5	313	1185
	1"	50	3.5	270	1022
		75	5	334	1264

Rampage™ Master Stream Nozzles										
Style	Nozzle Pressure		Flow Setting		Actual Flow		Straight Stream Reach*			
	PSI	BAR	GPM	LPM	GPM	LPM	Effective		Overall	
							FEET	METERS	FEET	METERS
4460 4461	75	5	500	1900	433	1646	195	59	205	63
			575	2900	650	2460	230	70	240	73
			1000	3800	866	3278	240	73	250	76
	100	7	500	1900	500	1900	210	64	220	67
			750	2900	750	2900	265	81	270	82
			1000	3800	1000	3800	275	84	285	87
125	8.5	500	1900	560	2120	230	70	240	73	
		750	2900	839	3176	275	84	285	87	
		1000	3800	1118	4232	290	88	300	91	

Black Widow™ Master Stream Nozzles										
Style	Nozzle Pressure		Flow Setting		Actual Flow		Straight Stream Reach*			
	PSI	BAR	GPM	LPM	GPM	LPM	Effective		Overall	
							FEET	METERS	FEET	METERS
2151 2152 2155 2156 2158	100	7	300	1140	300	1140	180	55	-	-
			500	1900	500	1900	210	64	-	-
			700	2660	700	2660	230	70	-	-
			1000	3800	1000	3800	240	73	-	-

\* Note: Reach figures are measured with nozzle at 32" above horizontal. Overall reach is considered where farthest droplets of water fall, in still conditions. Effective reach is considered the farthest portion of the water droplet foot print where fire fighting can be accomplished, in still conditions. Actual results will vary depending on conditions.

# Technical Data: Flow & Reach Data

Akromatic® Master Stream Nozzles										
Style	Nozzle Pressure		Actual Flow		Straight Stream Reach*					
					Effective		Overall			
	PSI	BAR	GPM	LPM	FEET	METERS	FEET	METERS	FEET	METERS
5051 5055 5056 5150	100	7	300	1140	170	52	180	55		
			500	1900	200	61	210	64		
			700	2660	220	67	230	70		
			1000	3800	230	70	240	73		
5068 5075	80	5.5	250	950	140	43	150	46		
			500	1900	185	56	200	61		
			750	2900	230	70	240	73		
			1000	3800	260	79	270	82		
			1250	4800	285	87	295	90		
5160 5177	80	5.5	250	950	137	42	147	45		
			500	1900	195	59	205	62		
			750	2900	245	75	255	78		
			1000	3800	270	82	280	85		
			1250	4800	295	90	305	93		
5170 5071 5178	80	5.5	500	1900	145	44	155	47		
			1000	3800	210	64	220	67		
			1250	4800	225	69	235	72		
			1500	5700	255	78	265	81		
			2000	7600	300	91	310	95		

\* Pressure varies slightly as flow rate changes on automatic nozzles.

Turbomaster™ Master Stream Nozzle										
Style	Nozzle Pressure		Flow Setting		Actual Flow		Straight Stream Reach*			
							Effective		Overall	
	PSI	BAR	GPM	LPM	GPM	LPM	FEET	METERS	FEET	METERS
	75	5	500	1900	433	1646	195	59	205	62
			750	2900	650	2460	215	66	220	67
			1000	3800	866	3278	230	70	240	73
			1250	4800	1083	4099	250	76	260	79
			1500	5700	1300	4920	270	82	270	83
1755	100	7	500	1900	500	1900	220	67	230	70
			750	2900	750	2900	250	76	260	79
			1000	3800	1000	3800	265	81	275	84
			1250	4800	1250	4800	280	85	290	88
			1500	5700	1500	5700	295	90	300	91
	125	8.5	500	1900	560	2120	245	75	255	78
			750	2900	839	3176	270	82	280	85
			1000	3800	1118	4232	290	88	300	91
			1250	4800	1398	5291	300	91	310	94

Renegade™ Monitor Nozzles							
Style	Type	GPM	LPM	Effective		Overall	
				FEET	METERS	FEET	METERS
5088	Automatic	1000	3800				
		2500	9500				
		5000	19000				
2189	Adjustable	1000	3800				
		2000	7600				
		3000	11500				
2188	Fixed	1000	3800				
		2000	7600				
		3000	11500				
		4000	15000	355	108		
		5000	19000				

Excel 1000™ Master Stream Nozzles										
Style	Nozzle Pressure		Flow Setting		Actual Flow		Straight Stream Reach*			
							Effective		Overall	
	PSI	BAR	GPM	LPM	GPM	LPM	FEET	METERS	FEET	METERS
	75	5	300	1140	260	984	150	46	160	49
			500	1900	425	1646	190	58	200	61
			800	3030	693	2623	215	66	225	69
			1000	3800	866	3278	240	73	250	76
1747 3747 5147	100	7	300	1140	300	1140	170	52	180	55
			500	1900	500	1900	225	69	235	72
			800	3030	800	3030	242	74	252	77
			1000	3800	1000	3800	280	85	290	88
	125	8.5	300	1140	335	1268	190	58	200	61
			500	1900	560	2120	239	73	249	76
			800	3030	894	3384	270	82	280	85
			1000	3800	1118	4232	290	88	300	91

FireFox™ Electric Nozzle Flow/reach Data										
Style	Nozzle Pressure		Flow Setting		Actual Flow		Straight Stream Reach*			
							Effective		Overall	
	PSI	BAR	GPM	LPM	GPM	LPM	FEET	METERS	FEET	METERS
3293	100	7	30	115	30	115	74	23	84	26
			60	230	60	230	104	32	117	36
			95	360	95	360	120	37	130	40
			125	475	125	475	125	38	135	41
			175	660	175	660	135	41	145	44
			250	950	250	950	155	47	170	52
			350	1325	350	1325	170	52	180	54
			400	1525	400	1525	190	58	200	61
			450	1700	450	1700	200	61	220	67
			500	1900	500	1900	210	64	225	69

\* Note: Reach figures are measured with nozzle at 32° above horizontal. Overall reach is considered where farthest droplets of water fall, in still conditions. Effective reach is considered the farthest portion of the water droplet foot print where fire fighting can be accomplished, in still conditions. Actual results will vary depending on conditions.