

# 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
			13	50	13	50	57	17	67	20
			25	95	25	95	64	20	74	23
	100	7	40	150	40	150	90	27	100	30
			60	230	60	230	110	34	120	37
			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
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	
		30	115	26	98	80	24	90	27	
		60	230	52	197	107	33	117	36	
1714, 1715 1717, 1720	75	5	95	360	82	310	127	39	137	42
			125	475	108	409	130	40	146	45
			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
	100	7	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
			30	115	26	98	75	23	85	26
			95	360	82	310	117	36	127	39
1722, 1723 1724, 1737 (95-200 gpm)  1762, 1763 1766, 1767 (3-200 gpm)  1725, 1727 1729, 1733 1744 (125-250 gpm)	75	5	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
			30	115	30	115	87	26	97	30
			95	360	95	360	140	43	150	46
	100	7	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
			30	115	34	129	97	30	107	33
			95	360	106	401	145	44	155	47
125	8.5	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	
		30	115	34	129	97	30	107	33	
		95	360	106	401	145	44	155	47	

\*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.



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	11	13	15	gpm	57	67	74	67	77	84	feet
	50	42	49	57	lpm	77	20	23	20	23	26	meters
	25	22	25	28	gpm	70	77	87	80	87	97	feet
4714, 4715 4717, 4720 4814, 4815 4817, 4820 4862, 4863 4866, 4867	95	82	95	106	gpm	87	117	127	107	127	137	feet
	360	310	360	401	lpm	30	36	39	33	39	42	meters
	125	108	125	140	gpm	117	127	130	127	137	140	feet
4822, 4823 4824, 4825 4826, 4827 4837	200	173	200	224	gpm	160	190	195	170	200	205	feet
	750	655	750	848	lpm	49	58	59	52	61	62	meters
	250	217	250	280	gpm	185	195	215	195	205	225	feet
4822, 4823 4824, 4825 4826, 4827 4837	950	821	950	1060	lpm	56	59	65	59	62	68	meters
	300	260	300	335	gpm	185	215	225	195	225	235	feet
	1140	984	1140	1268	lpm	56	65	68	59	68	72	meters
4822, 4823 4824, 4825 4826, 4827 4837	350	303	350	391	gpm	185	210	225	195	220	235	feet
	1325	1147	1325	1480	lpm	56	64	68	59	67	72	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	95	110	123	gpm	107	125	127	117	135	137	feet
	360	360	416	466	lpm	33	38	39	39	41	42	meters
	125	125	144	161	gpm	127	130	135	137	140	145	feet
	475	475	545	609	lpm	39	40	41	42	43	44	meters
4822, 4823 4824, 4825 4826, 4827 4837	150	150	173	194	gpm	127	140	145	137	150	155	feet
	550	550	655	734	lpm	39	43	44	42	46	47	meters
	175	175	202	226	gpm	127	146	150	137	156	160	feet
4822, 4823 4824, 4825 4826, 4827 4837	660	660	765	855	lpm	39	45	46	42	48	49	meters
	200	200	231	258	gpm	162	170	172	186	194	196	feet
	750	750	874	977	lpm	48	52	52	57	59	58	meters
4822, 4823 4824, 4825 4826, 4827 4837	250	250	289	323	gpm	165	176	178	188	196	198	feet
	950	950	1094	1223	lpm	50	54	54	57	60	60	meters
	300	300	346	387	gpm	171	179	181	190	198	200	feet
4822, 4823 4824, 4825 4826, 4827 4837	1140	1140	1310	1465	lpm	52	55	55	58	60	61	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	7/8"	50	3.5	159	602	130	40	150	46
		80	5.5	201	761	156	48	175	53
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

AKRON BRASS COMPANY | PH. 800.228.1161 (330.264.5678) | FAX 800.581.7335 (330.264.2944) | WWW.AKRONBRASS.COM

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*			
							Effective		Overall	
	PSI	BAR	GPM	LPM	GPM	LPM	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
* 500 gpm MAX	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
	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*			
					Effective		Overall	
	(PSI)	(BAR)	(GPM)	(LPM)	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*			
					Effective		Overall	
	PSI	BAR	GPM	LPM	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

Rampage™ 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
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	

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

Black Widow™ 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
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	-	-

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Akromatic® Master Stream Nozzles									
Style	Nozzle Pressure		Actual Flow		Straight Stream Reach*				
	PSI	BAR	GPM	LPM	Effective		Overall		
					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*			
	PSI	BAR	GPM	LPM	GPM	LPM	Effective		Overall	
							FEET	METERS	FEET	METERS
1755	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
	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
	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*			
	PSI	BAR	GPM	LPM	GPM	LPM	Effective		Overall	
							FEET	METERS	FEET	METERS
1747 3747 5147	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
	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*			
	PSI	BAR	GPM	LPM	GPM	LPM	Effective		Overall	
							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

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