

Master Stream Fixed System Nozzle Flow

The flow and effective reach data found on the following pages is compiled and updated by our engineering staff in the testing area of our assembly department. The flow is determined by an electronic flowmeter while a piezometer gauge at the base/inlet of the nozzle establishes the "nozzle pressure."

The effective reach is determined by elevating the nozzle to 32 degrees above horizontal and at a height of 4' above ground level. The reach of Straight Stream, Narrow Fog (30 degrees) and Wide Fog (90 degrees) are then established by measuring where the last water droplets are falling at ground level. These tests are conducted in "still air" conditions, so the actual results will vary depending upon conditions.

Catalog No.	GPM	Stream Setting	Discharge in U.S. GPM								Effective Reach in Feet							
			Nozzle Pressure PSI								Nozzle Pressure PSI							
			50	75	100	150	200	300	400	500	50	75	100	150	200	300	400	500
NTS-C	10	SS									45	50	53	57	60	61	62	63
		Narrow Fog	5	7	10	11	12	15	18	20	20	21	23	28	31	33	35	37
		Wide Fog									11	12	13	15	16	17	19	21
	20	SS									50	62	64	68	70	73	75	77
		Narrow Fog	15	18	20	24	28	35	41	46	22	24	26	28	32	36	45	51
		Wide Fog									15	17	19	23	25	27	30	33
	30	SS									65	70	62	90	92	105	110	115
		Narrow Fog	21	27	30	36	40	50	58	64	30	35	40	46	48	50	55	59
		Wide Fog									15	16	18	22	25	30	35	40

Catalog No.	GPM	Stream Setting	Discharge in U.S. GPM							Effective Reach in Feet								
			Nozzle Pressure PSI							Nozzle Pressure PSI								
			40	50	75	100	125	150	175	200	40	50	75	100	125	150	175	200
NT-C	125	SS								70	80	103	122	136	—	—	—	
		Narrow Fog	83	90	110	125	141	153	167	179	33	35	40	45	50	—	—	—
		Wide Fog									18	20	25	30	35	—	—	—
	175	SS									86	98	113	127	140	—	—	—
		Narrow Fog	108	120	139	175	194	211	227	244	46	50	60	70	75	—	—	—
		Wide Fog									31	32	35	40	45	—	—	—
	250	SS									81	92	116	133	149	—	—	—
		Narrow Fog	160	180	218	250	280	304	327	351	43	46	54	61	68	—	—	—
		Wide Fog									28	30	36	40	45	—	—	—
NTL-C	40	SS								59	65	77	83	86	90	93	96	
		Narrow Fog	25	29	34	40	44	48	52	56	35	38	41	44	47	50	53	56
		Wide Fog									29	34	36	37	39	40	41	43
	60	SS									69	75	90	97	103	110	116	123
		Narrow Fog	39	44	54	60	70	77	85	92	38	40	45	50	55	60	65	70
		Wide Fog									31	32	35	40	44	48	52	57
	95	SS									77	85	102	110	117	124	131	183
		Narrow Fog	59	67	82	95	105	114	123	132	39	41	47	54	60	63	66	69
		Wide Fog									28	30	34	38	41	45	49	52

Catalog No.	G.P.M.	Stream Setting	Discharge in U.S. GPM								Effective Reach in Feet							
			Nozzle Pressure psi								Nozzle Pressure psi							
			40	50	60	70	80	90	100	125	40	50	60	70	80	90	100	125
NT-350-C NT-500-C NT-350-CB NT-500-CB	350	SS								109	125	131	137	142	146	150	155	
		Narrow Fog	222	250	270	290	310	330	350	390	61	65	69	73	77	82	87	100
		Wide Fog									41	45	49	53	56	58	60	65
	500	SS									119	134	142	150	158	165	173	190
		Narrow Fog	322	360	396	432	464	490	516	580	68	72	77	82	87	92	97	110
		Wide Fog									36	40	44	48	52	56	60	70
NT-1000C	750	SS								148	170	184	198	212	226	238	236	
		Narrow Fog	496	550	596	640	680	716	750	840	104	115	125	135	144	152	160	180
		Wide Fog									59	65	71	77	83	89	95	105
	1000	SS									159	180	204	225	242	252	263	289
		Narrow Fog	676	725	800	853	945	962	1000	1153	80	89	98	107	117	126	135	159
		Wide Fog									57	65	72	80	88	98	100	118