



MYSTERY 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							
			40	50	75	100	125	150	175	200	40	50	75	100	125	150	175	200
L-205-BA	40	SS									53	60	73	61	85	86	86.5	87
		Narrow Fog	26	28	35	41	47	51	55	58	37	40	42	43	44	45	48	50
		Wide Fog									26	28	30	31	32	33	34	35
	60	SS									68	75	92	103	110	115	120	123
		Narrow Fog	39	43	41	60	68	75	81	86	36	38	45	50	55	60	70	75
		Wide Fog									27	28	32	35	38	42	48	54
	95	SS									76	83	100	107	115	120	125	130
		Narrow Fog	65	73	88	101	112	122	130	136	41	45	55	65	70	75	85	95
		Wide Fog									28	30	36	43	49	55	60	65
	125	SS									91	100	118	130	140	150	155	157
		Narrow Fog	81	89	111	126	141	157	172	187	46	50	60	68	75	83	90	95
		Wide Fog									28	30	35	40	45	50	55	60
125 @ 75 PSI	SS									92	101	119	130	141	150	—	—	
	Narrow Fog	91	102	125	144	161	176	—	—	47	51	61	69	76	84	—	—	
	Wide Fog									29	31	36	41	46	51	—	—	
205-BA	170	SS								84	92	95	96	102	105	108	115	
		Narrow Fog	115	126	148	170	190	—	—	—	49	55	59	63	66	68	70	75
		Wide Fog									31	32	34	35	38	42	44	47
	250	SS									87	94	99	103	107	110	112	120
		Narrow Fog	165	188	222	245	286	—	—	—	56	60	64	68	71	73	75	80
		Wide Fog									33	35	37	39	41	43	45	50
	125 @ 75 PSI	SS									81	89	92	95	99	104	—	—
		Narrow Fog	91	102	125	144	161	176	—	—	43	50	54	57	61	63	—	—
		Wide Fog									29	30	32	34	36	38	—	—
	200 @ 75 PSI	SS									85	93	96	98	104	108	—	—
		Narrow Fog	146	163	200	231	258	283	—	—	52	56	62	65	69	71	—	—
		Wide Fog									32	34	35	37	40	43	—	—
200 @ 50 PSI	SS									89	96	102	106	110	—	—	—	
	Narrow Fog	179	200	245	245	316	—	—	—	58	61	65	70	73	—	—	—	
	Wide Fog									35	37	39	40	42	—	—	—	