



SPECIAL USE 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
S-205-BAF	12	SS									46	55	59	64	68	73	77	80
		Narrow Fog	11	12	14	17	18	23	25	29	25	32	34	36	38	42	46	49
		Wide Fog									15	18	20	23	25	29	33	35
	23	SS									53	65	75	81	83	84	86	87
		Narrow Fog	20	25	27	32	37	45	52	58	40	43	45	55	60	65	70	75
		Wide Fog									24	26	30	37	39	41	45	48

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
SFL-O-DI	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
	125	SS									77	85	102	112	120	129	138	146
		Narrow Fog	79	88	105	125	140	154	168	182	45	48	55	61	66	72	78	83
		Wide Fog									33	35	40	45	48	52	56	59
L-205-BAF	20	SS	15	17	21	24	27	30	33	36	45	50	60	70	75	80	85	90
		Narrow Fog	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
		Wide Fog	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
	70	SS	45	50	62	72	80	88	93	99	78	80	85	90	95	100	105	110
		Narrow Fog	46	52	64	74	81	89	94	100	28	30	33	37	40	45	50	55
		Wide Fog	63	70	86	99	111	120	130	140	14	15	16	18	20	22	24	26