



SELECT-O-MATIC 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.	Stream Setting	Discharge in U.S. GPM											Effective Reach in Feet										
		Nozzle Pressure PSI											Nozzle Pressure PSI										
		50	60	70	75	80	85	90	95	100	105	110	50	60	70	75	80	85	90	95	100	105	110
SM-3F Series	SS	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	
	Narrow Fog	5	7	9	11	14	17	22	30	35	47	56	—	—	—	22	25	27	33	36	39	46	48
	Wide Fog	—	—	—	—	—	—	—	—	—	—	—	—	—	—	12	13	14	18	20	24	36	37
SM-10-FE	SS	60	62	64	66	68	70	74	79	85	93	110	60	62	64	66	68	70	74	79	85	93	110
	Narrow Fog	20	22	24	25	26	27	28	32	51	81	120	30	31	32	33	34	35	36	38	44	50	60
	Wide Fog	—	—	—	—	—	—	—	—	—	—	—	15	15	16	16	17	17	18	18	21	24	30
SM-10F Series	SS	—	—	—	—	—	—	—	—	—	—	—	—	—	—	78	80	82	84	88	98	104	112
	Narrow Fog	40	43	46	48	50	52	57	65	100	130	148	—	—	—	42	43	46	48	52	65	69	72
	Wide Fog	—	—	—	—	—	—	—	—	—	—	—	—	—	—	28	29	31	32	34	39	41	43
SM-20F Series	SS	—	—	—	—	—	—	—	—	—	—	—	—	—	—	88	96	103	114	120	124	126	—
	Narrow Fog	50	55	64	73	87	105	130	170	212	234	245	—	—	—	50	52	55	58	60	62	63	—
	Wide Fog	—	—	—	—	—	—	—	—	—	—	—	—	—	—	22	23	25	28	29	30	31	—
SM-20-FLP SERIES TSM-20FLP	SS	69	75	108	115	—	—	—	—	—	—	—	69	75	108	115	—	—	—	—	—	—	—
	Narrow Fog	50	67	156	204	—	—	—	—	—	—	—	38	40	55	60	—	—	—	—	—	—	—
	Wide Fog	—	—	—	—	—	—	—	—	—	—	—	31	33	36	36	—	—	—	—	—	—	—
SM-30F Series	SS	—	—	—	—	—	—	—	—	—	—	—	—	—	—	105	120	133	137	141	145	148	—
	Narrow Fog	50	69	88	112	150	190	226	264	300	324	342	—	—	—	69	75	75	75	76	76	76	—
	Wide Fog	—	—	—	—	—	—	—	—	—	—	—	—	—	—	38	40	41	43	45	46	45	—
SM-30-FLP Series (Low Pressure)	SS	—	—	—	—	—	—	—	—	—	—	—	—	—	—	135	140	145	—	—	—	—	—
	Narrow Fog	—	87	175	220	260	300	—	—	—	—	—	—	—	—	70	75	75	—	—	—	—	—
	Wide Fog	—	—	—	—	—	—	—	—	—	—	—	—	—	—	42	44	46	—	—	—	—	—