



X-STREAM 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.	Inlet Size	Stream Setting	Discharge in U.S. GPM						Effective Reach in Feet					
			Nozzle Pressure PSI						Nozzle Pressure PSI					
			50	60	65	70	75	80	50	60	65	70	75	80
SM-1000 Series	2.5	SS							108	134	165	198	255	—
		Narrow Fog	113	244	350	500	1000	—	89	94	98	107	124	—
		Wide Fog							47	61	65	68	81	—
	3.5	SS							123	142	176	210	221	241
		Narrow Fog	130	297	405	530	675	1000	88	90	93	100	115	125
		Wide Fog							55	66	77	90	97	103
SM-1250 Series	2.5	SS							139	182	220	257	271	—
		Narrow Fog	315	525	630	925	1250	—	105	110	116	119	130	—
		Wide Fog							57	62	69	77	92	—
	3.5	SS							110	140	172	220	229	—
		Narrow Fog	385	655	875	1100	1250	—	100	129	132	136	140	—
		Wide Fog							56	62	68	72	82	—

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
SM-1500 Series SM-2000 Series	SS											—	—	—	240	300	—	—	—	—	—	—
	Narrow Fog	500	850	1250	1500	2000	—	—	—	—	—	—	—	—	125	148	—	—	—	—	—	—
	Wide Fog											—	—	—	90	100	—	—	—	—	—	—