



PHANTOM 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
PSFS-HP PSFS-HPG TPSFS-HP	15	SS									45	48	56	58	61	63	65	66
		Narrow Fog	9	11	12	15	17	18	20	22	19	20	22	24	26	28	31	32
		Wide Fog									10	11	14	15	17	19	21	22
	30	SS									63	65	70	81	85	90	91	92
		Narrow Fog	20	22	26	30	34	37	39	41	28	30	35	41	44	47	48	49
		Wide Fog									14	15	16	19	21	23	25	26
	45	SS									67	69	75	85	91	96	98	101
		Narrow Fog	32	35	40	45	49	52	56	58	30	32	37	44	46	48	50	51
		Wide Fog									16	17	18	21	23	25	26	28
	60	SS									69	74	85	94	100	104	109	113
		Narrow Fog	39	43	52	60	66	72	78	84	37	39	41	45	50	54	58	62
		Wide Fog									27	28	30	36	40	42	47	55
SFM-LP SFM-LPG TSFM-LP TSFM-LPT	30	SS								60	62	67	78	82	—	—	—	
		Narrow Fog	22	24	30	35	39	NA	—	—	26	28	33	39	42	—	—	—
		Wide Fog									14	15	16	19	21	—	—	—
	95	SS									75	84	99	109	116	—	—	—
		Narrow Fog	69	78	95	110	123	NA	—	—	39	40	45	54	58	—	—	—
		Wide Fog									29	30	33	36	40	—	—	—
	125	SS									79	88	106	122	135	—	—	—
		Narrow Fog	91	102	125	144	161	NA	—	—	45	50	52	55	59	—	—	—
		Wide Fog									34	37	43	46	48	—	—	—
	150	SS									82	91	110	126	140	—	—	—
		Narrow Fog	110	122	150	173	194	NA	—	—	47	52	54	57	61	—	—	—
		Wide Fog									35	38	44	47	49	—	—	—
200	SS									91	101	117	132	148	—	—	—	
	Narrow Fog	146	163	200	231	258	NA	—	—	51	54	61	73	78	—	—	—	
	Wide Fog									36	39	45	48	50	—	—	—	
SFM-HP SFM-HPG TSFM-HP TSFM-HPT	30	SS								63	65	70	81	85	90	—	—	
		Narrow Fog	20	22	26	30	34	37	—	—	28	30	35	41	44	47	—	—
		Wide Fog									14	15	16	19	21	23	—	—
	95	SS									76	85	101	110	118	126	—	—
		Narrow Fog	63	68	83	95	107	115	—	—	40	41	46	55	59	64	—	—
		Wide Fog									29	30	33	38	40	44	—	—
	125	SS									78	87	103	114	122	130	—	—
		Narrow Fog	82	91	110	125	140	153	—	—	43	45	51	60	66	70	—	—
		Wide Fog									31	33	36	41	43	47	—	—
	150	SS									80	89	107	120	125	140	—	—
		Narrow Fog	97	107	132	150	169	182	—	—	46	49	55	64	70	74	—	—
		Wide Fog									33	35	38	43	45	49	—	—
200	SS									88	97	115	130	135	150	—	—	
	Narrow Fog	126	141	173	200	224	245	—	—	52	54	63	72	78	82	—	—	
	Wide Fog									36	39	42	47	49	53	—	—	