



5000E 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	
5000-04E	15	SS	—	48	56	58	61	63	65	66	—	48	56	58	61	63	65	66	
		Narrow Fog	9	11	12	15	17	18	20	22	—	20	22	24	26	28	31	32	
		Wide Fog	—	11	14	15	17	19	21	22	—	11	14	15	17	19	21	22	
	30	SS	—	65	70	81	85	90	91	92	—	65	70	81	85	90	91	92	
		Narrow Fog	20	22	26	30	34	37	39	41	—	30	35	41	44	47	48	49	
		Wide Fog	—	15	16	19	21	23	25	26	—	15	16	19	21	23	25	26	
	45	SS	—	69	75	85	91	96	98	101	—	69	75	85	91	96	98	101	
		Narrow Fog	32	35	40	45	49	52	56	58	—	32	37	44	46	48	50	51	
		Wide Fog	—	17	18	21	23	25	26	28	—	17	18	21	23	25	26	28	
5000-14E	60	SS	69	76	89	96	104	110	115	124	69	76	89	96	104	110	115	124	
		Narrow Fog	38	43	51	60	68	76	—	—	38	41	44	49	55	61	66	71	
		Wide Fog	31	33	35	41	43	47	51	58	31	33	35	41	43	47	51	58	
	75	SS	73	81	94	103	111	118	—	—	73	81	94	103	111	118	—	—	
		Narrow Fog	53	58	65	75	84	92	—	—	39	41	45	52	57	62	—	—	
		Wide Fog	29	30	31	33	37	40	—	—	29	30	31	33	37	40	—	—	
	95	SS	77	86	101	111	118	126	130	138	77	86	101	111	118	126	130	138	
		Narrow Fog	63	68	83	95	107	115	—	—	40	41	46	55	59	64	67	70	
		Wide Fog	29	30	33	36	40	44	47	51	29	30	33	36	40	44	47	51	
	125	SS	78	86	103	113	121	128	138	146	78	86	103	113	121	128	138	146	
		Narrow Fog	82	91	110	125	140	153	—	—	44	48	55	62	67	71	77	84	
		Wide Fog	32	36	39	44	49	52	56	59	32	36	39	44	49	52	56	59	
	150	SS	80	89	108	124	138	148	156	162	80	89	108	124	138	148	156	162	
		Narrow Fog	97	107	132	150	169	182	—	—	46	51	53	56	58	60	62	64	
		Wide Fog	34	37	43	46	48	51	52	55	34	37	43	46	48	51	52	55	
	5000-24E	175	SS	88	98	114	126	141	152	—	—	88	98	114	126	141	152	—	—
			Narrow Fog	111	124	150	175	192	210	—	—	47	51	59	69	76	81	—	—
			Wide Fog	32	34	36	39	44	48	—	—	32	34	36	39	44	48	—	—
200		SS	88	91	101	117	132	148	—	—	88	91	101	117	132	148	—	—	
		Narrow Fog	127	141	173	200	224	245	—	—	49	51	54	61	73	78	—	—	
		Wide Fog	33	34	36	40	44	48	—	—	33	34	36	40	44	48	—	—	
250		SS	91	102	118	136	152	164	—	—	91	102	118	136	152	164	—	—	
		Narrow Fog	172	192	230	256	290	320	—	—	53	56	62	70	79	83	—	—	
		Wide Fog	35	40	43	47	51	54	—	—	35	40	43	47	51	54	—	—	
325		SS	97	108	126	142	160	173	—	—	97	108	126	142	160	173	—	—	
		Narrow Fog	220	240	289	325	362	398	—	—	57	61	67	75	86	89	—	—	
		Wide Fog	39	43	47	52	55	59	—	—	39	43	47	52	55	59	—	—	
350		SS	97	108	126	142	154	—	—	—	97	108	126	142	154	—	—	—	
		Narrow Fog	221	247	303	350	391	—	—	—	57	61	67	77	84	—	—	—	
		Wide Fog	39	43	47	52	56	—	—	—	39	43	47	52	56	—	—	—	