



MYSTERY MASTER 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.	GPM	Stream Setting	Discharge in U.S. GPM								Effective Reach in Feet								
			Nozzle Pressure PSI								Nozzle Pressure PSI								
			40	50	60	70	80	90	100	125	40	50	60	70	80	90	100	125	
J	350	SS	226	251	275	295	314	333	350	390	81	95	105	114	122	129	135	150	
		Narrow Fog	330	366	400	433	463	488	515	574	38	40	42	44	46	48	50	55	
		Wide Fog	396	442	481	515	550	585	615	688	28	30	32	34	36	38	40	45	
	500	SS	316	360	398	426	454	480	502	558	106	118	124	129	133	137	141	150	
		Narrow Fog	422	471	516	557	591	625	656	730	69	75	80	83	86	88	90	95	
		Wide Fog	552	614	671	720	765	811	854	956	50	54	57	61	64	68	71	80	
JN	1000	SS	448	498	550	590	630	663	696	—	120	134	142	152	160	165	170	—	
		Narrow Fog	585	652	714	764	813	863	910	—	78	92	100	110	120	128	135	—	
		Wide Fog	740	824	900	971	1039	—	—	—	40	45	55	60	65	—	—	—	
CJK CJK-HP	1250	SS									130	150	172	191	209	230	266	292	
		Narrow Fog	791	884	968	1046	1118	1186	1250	1398	63	72	83	92	100	110	128	140	
		Wide Fog									49	57	65	73	79	87	101	111	
	1500	SS										140	166	190	212	233	255	276	320
		Narrow Fog	949	1061	1162	1255	1342	1423	1500	1677	67	80	91	102	112	122	132	154	
		Wide Fog									53	63	72	81	89	97	105	122	
	1750	SS										150	176	200	224	248	272	296	354
		Narrow Fog	1107	1237	1356	1464	1565	1660	1750	1957	72	84	96	107	119	131	142	170	
		Wide Fog									57	67	76	85	94	103	112	135	
	2000	SS										174	200	224	248	273	298	325	375
		Narrow Fog	1265	1414	1549	1673	1789	1897	2000	2236	84	96	107	119	131	143	156	180	
		Wide Fog									66	76	85	94	103	113	124	143	