



SELF-EDUCTING 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
HF-350* HF-350-A	350	SS									80	95	110	124	134	140	145	155
		30°-Fog	230	245	260	276	293	309	325	365	42	47	52	57	62	68	73	80
		90°-Fog									13	14	15	16	17	18	20	23
HF-500* HF-500-A	500	SS									97	110	123	136	145	155	162	175
		30°-Fog	345	370	390	410	432	455	475	530	52	57	61	66	71	76	80	92
		90°-Fog									18	20	22	23	25	27	29	31

*These flow figures computed with water only. Add 1, 3, 6% for total foam flow.