

CELLAR/BRESNAN 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.

	Discharge in U.S. GPM								Effective Reach in Feet									
Catalog	GPM	Stream Setting	Nozzle Pressure PSI								Nozzle Pressure PSI							
No.			40	50	60	70	80	90	100	125	40	50	60	70	80	90	100	125
LR	_	_	99	114	124	133	144	154	160	179	_	-	_			-	_	[-]
R	_	_	227	253	276	296	317	335	353	395	_	-	_	_	_	_	_	
193-6 (1.5)	_		91	101	110	117	125	133	140	157	_	_	_	_			_	
193-6 (2.5)			262	287	312	335	356	375	394	441		_						
193-9 (2.5)	_		325	360	390	419	446	471	495	553				_	_		_	