

DATA SHEET

IMS-500 Select-O-Stream Nozzle

The Elkhart Brass Select-O-Stream® nozzles are constant flow with a fully machined waterway that ensures excellent stream quality. The Select-O-Stream nozzles are FM Approved.

- 500 gpm @ 100 psi (1900 LPM @ 7 BAR)
- This fixed gallonage nozzle can be used with water or premixed foam solution.
- Wide 140° fog pattern
- FM Approved



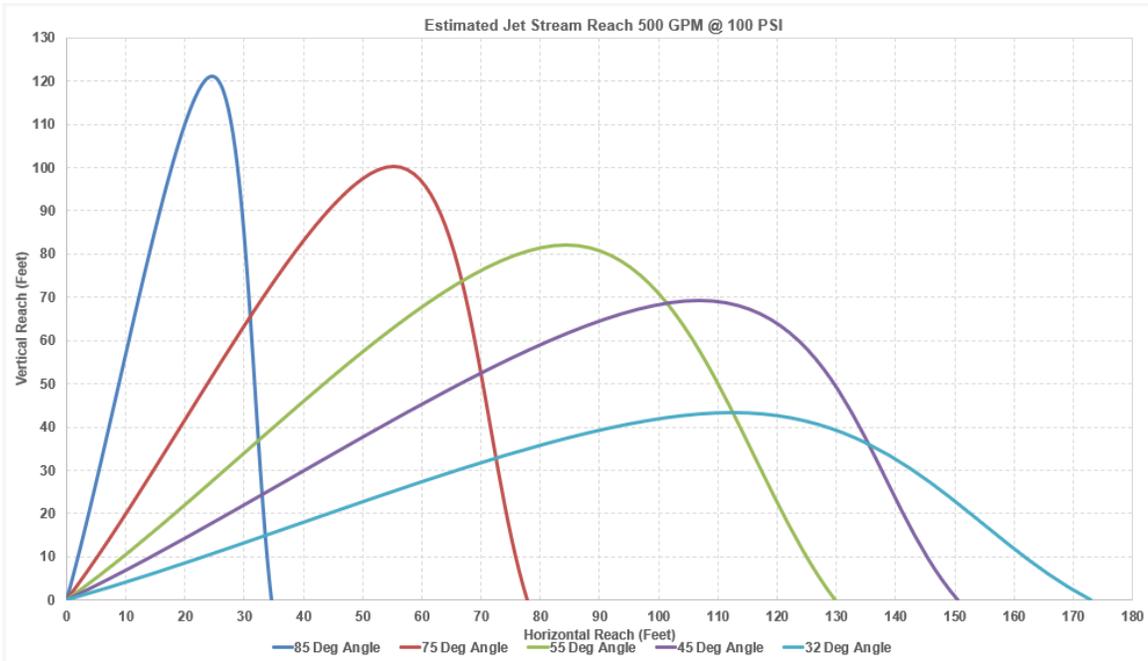
Features

- Rated for 500 gpm @ 100 psi (1900 LPM @ 7 BAR)
- Rugged brass construction UNS C84400 standard, UNS C83600 marine brass available upon request
- Stream Pattern easily changed under flowing conditions from straight stream to 90° fog
- No-twist shutoff
- Grease zerk fitting for easy lubrication of tip threads
- Fully machined waterway for excellent stream quality
- **5 Year Warranty**

Nozzle	
	IMS-500
Rated flow	500 gpm @ 100 psi (1900 LPM @ 7 BAR)
Rated pressure	100 PSI (7bar)
Inlet size	2.5" NHT female swivel
Type	Constant flow (all stream patterns)
Material	Corrosion resistant brass
Weight	10.75 lbs. (4.8 kgs.)
Ambient temperature	-35°F - 232°F (-37°C - 111°C)
Certification	FM approved - 5511

Stream Reach

Jet Stream Reach 500 GPM @ 100 PSI



This fire stream data is an engineering estimate using just water and is provided for reference only. Actual stream performance is affected by environmental conditions and fire water supply conditions at the site. All equipment should be assessed after installation to verify the adequacy of the fire protection systems.

The flow and 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.”
- 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.

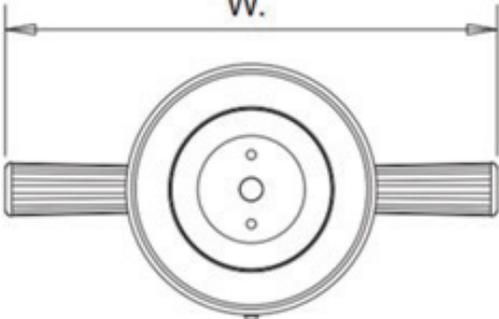
Performance

GPM	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
IMS IMS-N	500	SS									119	134	142	150	158	165	173	190
		Narrow Fog	322	360	396	432	464	490	516	580	68	72	77	82	87	92	97	110
		Wide Fog									36	40	44	48	52	56	60	70

Dimensions (inches)

9.75

W.



8.50 SS
5.50 FOG

O.A.L.

5.00

DIA.

