

DATA SHEET

HF-350 Hydro-Foam Self-Educting Nozzle

The Elkhart Brass Hydro-Foam® self-educting nozzle design enables these products to flow foam solution without the need for special foam mixing equipment. The design of the Elkhart Brass Hydro-Foam nozzle provides the flexibility and reliability required for applying foam solution.

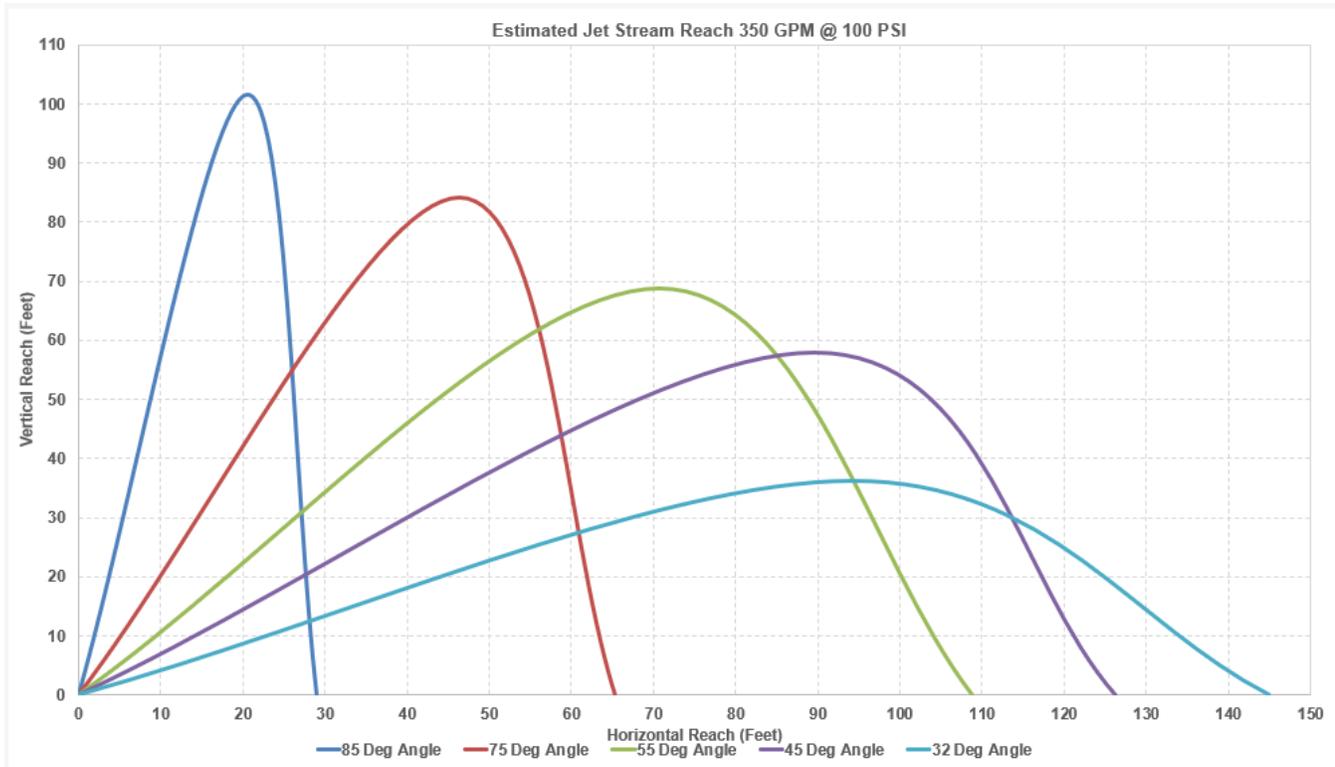


Features

- Rated for 350 gpm @ 100 psi (1330 LPM @7 BAR)
- Clear vinyl 9' (2.7 m) pick up hose included
- Pick up rates: ½%, 1%, 3%, 6% (HF-350)
- 2.5" NH female swivel inlet
- Satin brass finish UNS C84400
- U.L. Listed
- Aluminum version available
- Constant flow with built-in metering device accurately proportions foam concentrates at selected rate
- Stream pattern easily adjusted under flowing conditions from wide fog (90°) to straight (jet)
- Suitable for Class A and Class B foam including AR-AFFF, AFFF, FFF, & fluoroprotein foam concentrates

Nozzle	
	HF-350
Rated flow	350 gpm (1330 LPM)
Rated pressure	100 psi (7BAR)
Inlet size	2.5" NH female swivel rocker lug style
Type	Constant flow (all stream patterns)
Foam pick-up tube	Clear flexible PVC 9.0' (2.7m) x 1.25" ID
Material	Corrosion resistant brass
Weight	19.0 lbs. (8.6 kgs.)
Ambient temperature	-35°F - 232°F (-37°C - 111°C)
Certification	UL listed

Stream Reach



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		
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																		

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

Dimensions (inches)

