

Air Aspirating Foam Nozzle Model AFN-1

Description

Constructed of hard anodized aluminum with stainless steel fasteners and adjustment rod, this air aspirating foam nozzle offers minimum weight with durability. Stream pattern is adjustable in the field from an even fan type to a full straight stream.

Flow rates are specifically tailored to individual protection by the insertion of a pre-engineered stainless steel orifice plate.

Orifice plates can be sized for flows from 250 to 1000 gpm (946 to 3785 Lpm) within K-factors of 35 to 125 based on flowing nozzle inlet pressure. (Monitor friction loss must be deducted from monitor inlet pressure to use those K-factors.)

The nozzle attaches to the ANSUL® Model AOM-HD automatic water driven oscillating unit with Brahma monitor, and the MM-1000 manual monitor. Connector is a female swivel, 2 1/2 in. – 7 1/2 TPI NHT.

Nozzle Flow and Range

Nozzle Pressure psi (bar)	Flow Rate gpm (Lpm)	Range at 30° Elev. ft (m)	Range at 22.5° Elev. ft (m)	Range at 15° Elev. ft (m)	Range at 0° Elev. ft (m)
44 (3)	385 (1457)	135 (41)	135 (41)	115 (35)	50 (15)
88 (6.1)	534 (2021)	175 (53)	175 (53)	170 (52)	80 (24)
132 (9.1)	656 (2483)	190 (58)	190 (58)	190 (58)	100 (30)

Note: Above based on orifice sized for 500 gpm at 100 psi (1893 Lpm at 6.1 bar).

Approvals

The AFN-1 Nozzle is UL Listed for use with NFF-331 and NFF 3x3 concentrates. Refer to the individual foam concentrate listing for operating limitations and compatibility with the AFN-1 Nozzle as provided in the UL Online Certifications Directory.

Ordering Information

When ordering, specify required flow and pressure. Consult Johnson Controls for engineering assistance.

Part No.	Description
400200	AFN-1 Nozzle
400336	AFN-1M Nozzle with Lever Operator

Contact Johnson Controls if stainless steel versions are required.

Note: The converted metric values in this document are for dimensional reference only and do not reflect an actual measurement.

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