# Air Aspirating Foam Nozzle Model AFN-2

## Description

Constructed of hard anodized aluminum with stainless steel fasteners, adjustment rod and deflector; this air aspirating foam nozzle offers minimum weight with durability. Stream pattern is adjustable in the field to a dispersed stream or 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 700 to 2000 gpm (2650 to 7571 Lpm) within K-factors of 57 to 233 based on flowing nozzle inlet pressure. (Monitor friction loss must be deducted from monitor inlet pressure to use these K-factors.)

The nozzle attaches to ANSUL® Model WOM-4 Automatic Water Driven Oscillating Monitor. Connection is made to the monitor with a special flange joint and O-ring.

## Ordering Information

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

| Part No. | Description |
|---|---|
| 77088 | AFN-2 Nozzle |
| 77115 | AFN-2M 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.

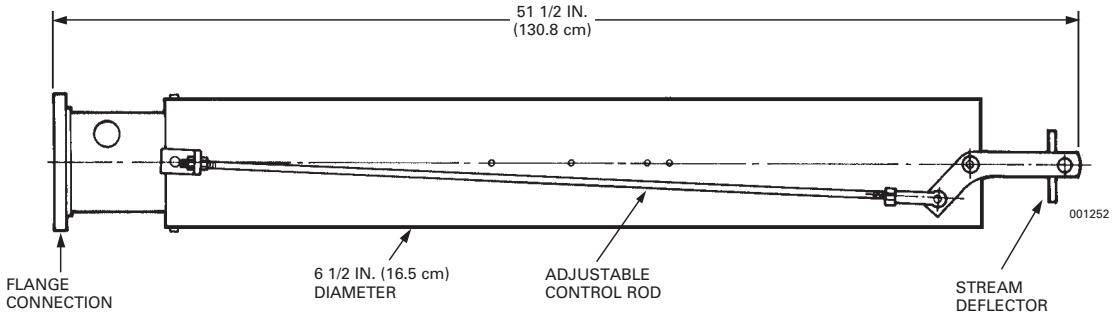


## Nozzle Flow and Range

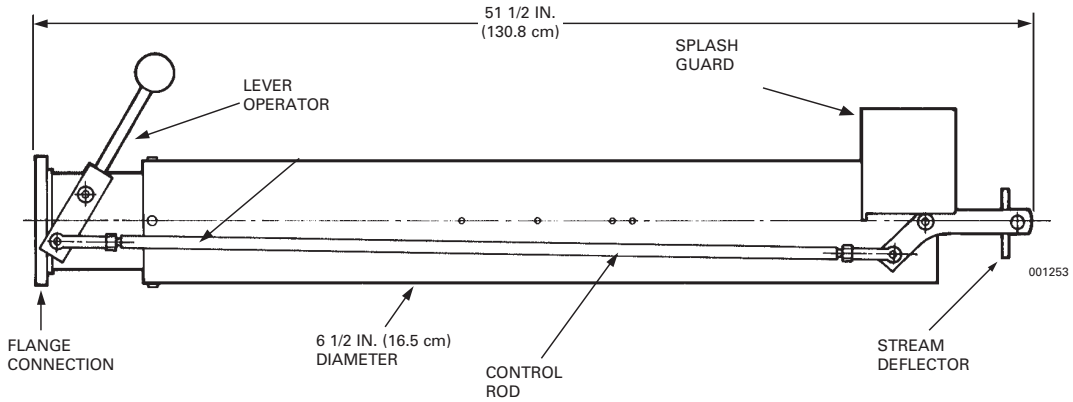
| Nozzle Pressure psi | (bar) | Flow Rate gpm | (Lpm) | Range at 22.5° Elev. ft | (m) | Range at 15° Elev. ft | (m) | Range at 7° Elev. ft | (m) |
|---|---|---|---|---|---|---|---|---|---|
| 50 | (3.45) | 722 | (2733) | 100 | (30) | 80 | (24) | 60 | (18) |
| 100 | (6.9) | 1053 | (3986) | 160 | (49) | 140 | (43) | 120 | (37) |
| 150 | (10.34) | 1265 | (4789) | 200 | (61) | 180 | (55) | 160 | (49) |

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

**AFN-2 Nozzle**




**AFN-2M Nozzle**

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