DATA SHEET

Industrial Electric Remote Control Monitor System

FM/UL ERCM - 03995006 Nozzle

SM-2000BE-HL FM NOZZLE

Constant flow nozzles suitable for Class I Division 2 classified locations. Meets NEC (NFPA 70) Article 501 requirements for use in Class I, Groups "A, B, C, & D," Division-2 & Article 505 – Class I, Zone 2, AEx nA IIC T4 hazardous location areas.

Automatic nozzle operates by spring loading the stem so when more flow is applied the stem extend further to aintain a constant pressure inside the nozzle.

- Design always provides maximum flow and stream reach
- Will not damage a fire water pump and piping system
- Nozzles flow what the water system design provides (do not limit flows and performance like fixed gallonage nozzles).

FM APPROVED

Specifications

Part Number	03995006
Construction	Electroless nickel plated brass and stainless steel
Rated Flow	500 to 2000 GPM (1,900 to 7,600 LPM)
Rated Pressure	75 psi (5.17 BAR)
Inlet	3.5" NH female base constant flow; 230 ft (70m) effective reach;
Stream Reach	230ft (70m)
Stream	Electric with manual override
Adjustment	Adjusts from straight stream; narrow fog (30) and wide fog (90)
Manual Override	Handwheels provided for straight stream and fog stream movements
Handwheels	Do not rotate when nozzle is operated electrically
Automatic Nozzle	Compensates for varying water supply to maintain stream reach covering a wide range flows
Input Power	110-120 VAC (50/60 Hz.) – Provided by MCP
Electrical Load	0.30 AMPS maximum @ 120 VAC (36 W)
Temperature Range	-28°C to +85°C -40°F to +185°F
Weight	35 LBS (16KGS)
Certifications	Meets NEC (NFPA 70) Article 501 requirements for use in Class I, Groups "A, B, C, & D," Division-2 & Article 505 – Class I, Zone 2, AEx nA IIC T4 hazardous location areas. FM approved for Class I, Division 2, Groups A, B, C, D, & T4 • FM approved to IP-67s

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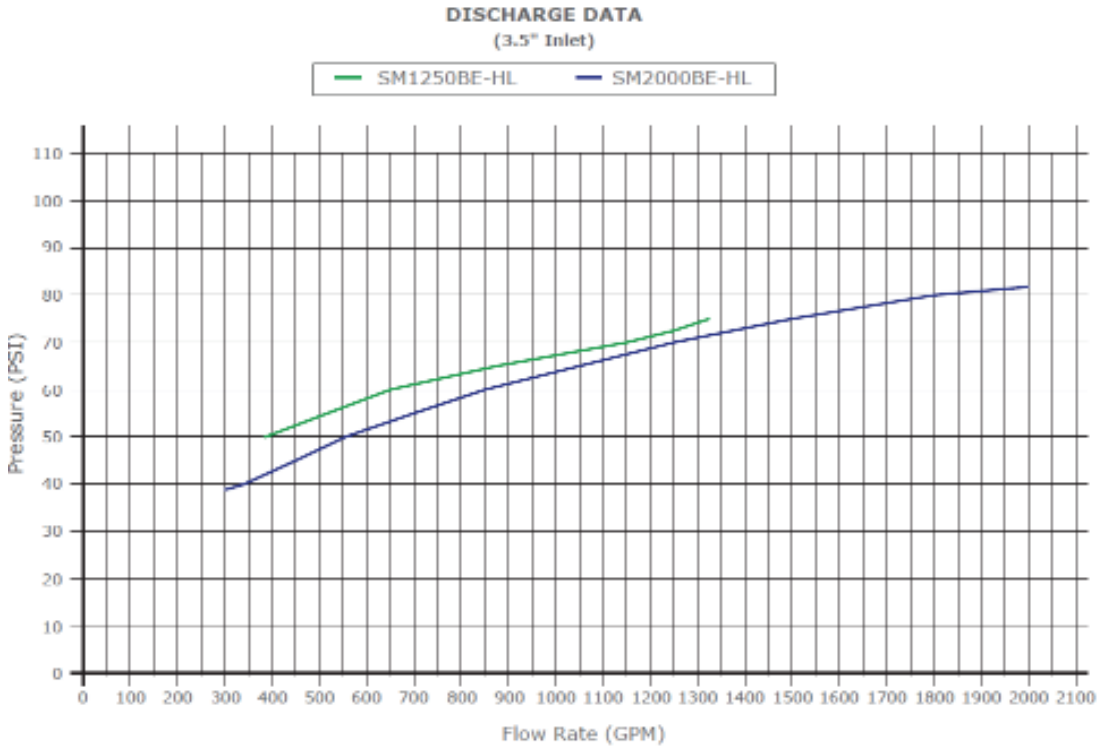
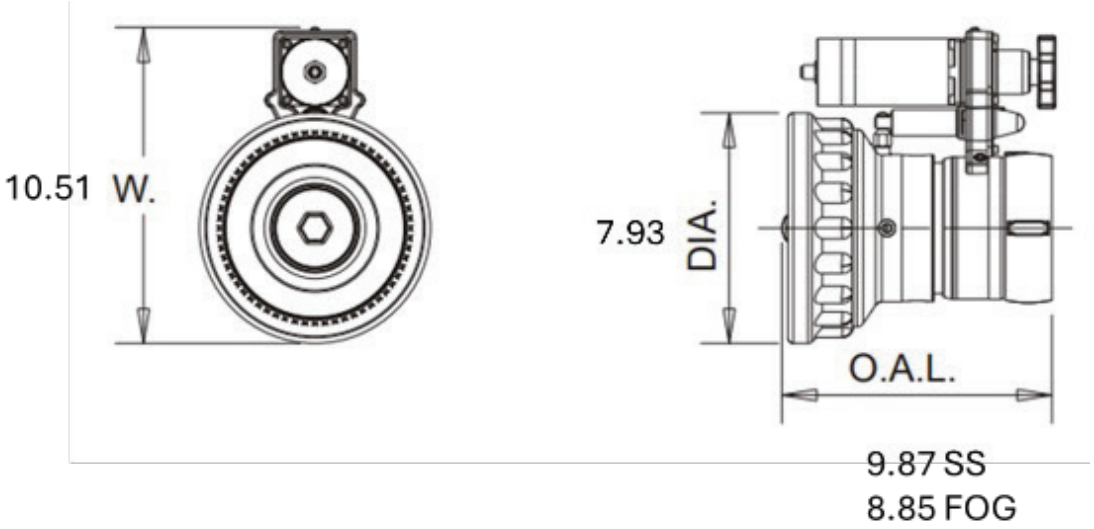
Features

- 120 VAC (50/60 Hz.) AC Synchronous (non-arcing) Motor, featuring the following:
  - High duty cycle
  - Power supplied from monitor control panel
  - NEMA Class B insulated 130°C maximum temperature rating
  - Constant speed (72 RPM @ 60Hz, 60 RPM @ 50Hz.)
  - Constant torque and current draw in start, running, and stall
  - No damage and no increase in current draw when motor is stalled
  - Instantaneous start, stop, and reverse
  - Residual (power off) torque is always present
  - Long life and exceptional reliability
- Flow efficient hydrodynamic vanes
- Constant flow rate from straight stream (jet) to full fog (spray) pattern
- Override knob provided for manual fog/stream control
- Includes 284-B Stream Shaper for improved stream quality and reach

Discharge Data



Dimensions (inches)