Cobra™ EXM Monitor

Efficient, high-flow, electric remote controlled water monitor (water cannon) for fire apparatus, industrial pumper, and aerial vehicles.

The COBRA™ EXM monitor is specially designed to be compact providing a greatly reduced swing radius. Unique waterway swivel joints utilize stainless steel thrust rods, and needle roller thrust bearings, for unprecedented durability in a range of applications. The COBRA™ EXM utilizes a cast vaned waterway to minimize large-scale turbulence. The monitor may be powered with 12 or 24 volts.

Several base options are available for use with the COBRA™ EXM including a 3” flange, DN80-PN16 flange, 4” flange, 3” female NPT, and 3” female BSPT. The discharge may be ordered with either a 2.5” NHT or BSPP thread. The COBRA™ EXM comes standard with permanent magnet DC gear motors but may be upgraded to high power motors. Both motor options are sealed to NEMA 4.

Mechanical Features:
- Sealed to NEMA 4
- 1250 GPM (4731 LPM) Flow
- Axially aligned thrust bearings
- Absolute position sensors
- Manual travel override
- Teflon impregnated, hard anodized aluminum alloy waterway
- High efficiency sealed planetary gearboxes

Control Features:
- Universal input voltage 11-27VDC
- Wired or wireless communication
- CAN bus J1939 compatible
- Single speed, two speed, or fully proportional speed control
- Programmable 3D Travel Limits, Keep-Out Zones, Travel Speeds, Stow Position, and Oscillation
- Integration water valve control
- Position display
Cobra™ EXM Monitor

**SPECIFICATIONS**

<table>
<thead>
<tr>
<th>Model</th>
<th>Max Flow</th>
<th>Max Pressure</th>
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<tr>
<td>7200</td>
<td>1250 GPM</td>
<td>500 PSI (Limited Duty)</td>
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</table>

**Inlet**

3”-150# F, 4”-150# F, DN80-PN16 F, 3” NPT, 3” BSPT

**Outlet**

2.5” Male NHT & BSPP

**Travel**

V: -45° to +120°
H: L175° to R175°

**Control**

CAN bus J1939

**Communication**

2.4 Ghz digital radio frequency (unlicensed)

**Swing Radius**

6” (180°), 8” (360°)

**Stow Height**

16”

**Weight**

31 Lbs.

**7200 Cobra™ EXM Static Pressure Drop**

Flow Rate (GPM)

Pressure (PSI)

0 200 400 600 800 1000 1200 1400 1600

0 10 20 30 40 50 60 70

Total Static Pressure Drop

Friction Loss

**X-Stream™ Series Master Stream Nozzles**

The SM1000E & SM1250E are two electrically actuated master stream nozzles for use with the Cobra™ EXM monitor. The X-Stream series nozzles automatically adjust to maintain an effective stream and maximum reach at variable or reduced flows. Electric actuators are completely sealed and allow precise pattern control from straight stream to wide fog.

**SPECIFICATIONS**

<table>
<thead>
<tr>
<th>Model</th>
<th>Inlet</th>
<th>Pressure PSI(BAR)</th>
<th>Flow Range - GPM(LPM)</th>
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</thead>
<tbody>
<tr>
<td>SM1000E</td>
<td>2.5”</td>
<td>75 (5.17)</td>
<td>350-1000 (1325-3785)</td>
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<tr>
<td>SM1250E</td>
<td></td>
<td></td>
<td>350-1250 (1325-4731)</td>
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