

# DATA SHEET

## Aggressive Environment Industrial Fire Monitor System

Model 8593-SPL

The Elkhart Brass 8593-SPL manual monitor is a specially designed completely sealed industrial monitor with integrated full flow, self-locking ball valve, stream shaper and high-performance nozzle. The completely sealed swivel joints, valve and nozzle design in conjunction with the lubrication free and regular maintenance free design provide the flexibility and reliability required for modern aggressive environment industrial fire protection application including marine and desert industrial fire protection applications.

The fast acting, easily accessible lever operated quarter turn valve provides a rapid response to quickly apply water/foam solution on the incident. The compact design with minimal friction loss throughout all system components makes the 8593-SPL the most efficient monitor of its class



### Features

- FM approved to the current edition of FM 1421 standard
- 2000 GPM (7570 LPM)
- Up to 229 ft (70m)
- 85 Brass monitor construction for corrosive environment and sea water applications
- 316 stainless steel quarter turn electroless nickel plated valve ball
- Corrosive resistant 85 brass tiller monitor control and valve handle
- Flow optimization ball design with variable cylindrical internal surface area to promote efficient non-turbulence flow in a gated position.
- Lubrication and regular maintenance free design
- Full 3.0" unobstructed waterway with cast-in vanes to ensure superior stream quality
- Positive brass T-handle locks furnished for both vertical and horizontal movements
- Bumper stop provided on vertical discharge movement
- Readily accessible valve handle for quick response
- Heavy duty stops on valve body – positive full open and full closed positions
- Self-locking valve design – positively holds gated position
- UHMWPE and Hytrel® polymer material valve seat design for superior sealing capability
- Optional liquid filled pressure gauge port
- Electroless nickel plated brass stream shaper design further enhances stream reach and quality
- Electroless nickel plated brass automatic nozzle with heat treated stainless steel spring mechanism reacts instantly to water flow fluctuations to maximize stream reach
- Constant flow nozzle with infinite stream pattern selection from straight stream (jet) to wide fog (spray)
- 5 year limited warranty

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**ELKHART BRASS**  
FIRE FIGHTING EQUIPMENT A SAFE FLEET BRAND

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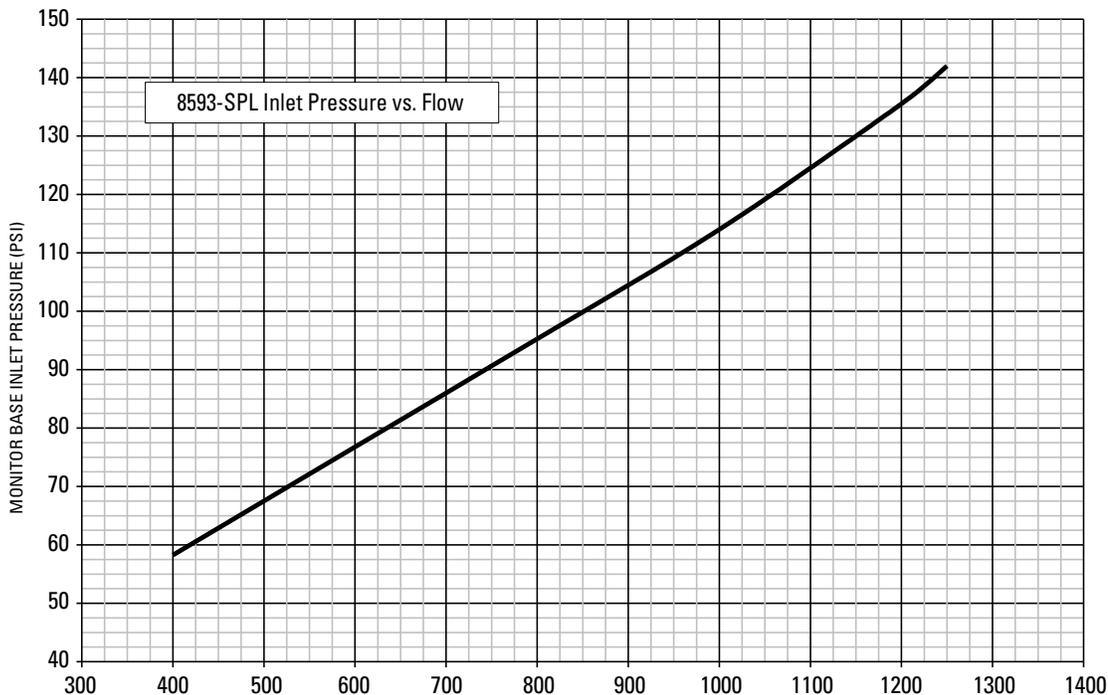
## Aggressive Environment Industrial Fire Monitor System

### Specifications

#### Monitor

<b>Max Rated Pressure</b>	200 PSI
<b>Flow Rate</b>	Up to 1250 GPM (4750 LPM)
<b>Inlet Size</b>	4-inch 150# FF flange base inlet
<b>Oscillation Range</b>	V: -45° to +90° (135°)
<b>H: 360° (Continuous)</b>	H: 360° (continuous)
<b>Nozzle Pattern</b>	Straight stream to wide fog
<b>Effective Stream Reach</b>	Up to 229 feet (70m)
<b>Material</b>	Monitor: 85 Brass Valve Body: 85 Brass Ball Valve: Electroless nickel plated 316 SS Tiller bar: 85 brass Valve handle: 85 brass Bolts holding valve to monitor: 2507 super duplex SS Nuts and bolts: 304 SS
<b>Waterway Size</b>	3-inch
<b>Valve Ball Size</b>	3-inch
<b>Dimensions</b>	See drawing at page 3
<b>Weight</b>	138 lbs (63 kg)
<b>Ambient Temperature</b>	-22°F to 248°F (-30°C to 120°C)
<b>Certification</b>	FM Approved

### Flow Chart



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## Aggressive Environment Industrial Fire Monitor System

### Dimensions

