



Industrial Systems

Combining modern technology with years of experience, Elkhart's industrial systems are designed for use in many different types of industrial settings, including: refineries, chemical plants, loading docks, tanker berthings, railroad yards, offshore platforms, mining operations, etc.

A complete Elkhart Brass industrial fire suppression system is composed of hardware (water cannon / monitor, nozzle, valve, etc.), electrical capabilities (control system, wiring, etc.), programming, and integration of the hardware and software within the facility.

The instant the monitor is needed for fire protection or actual firefighting, it can be activated from a remote location where the operator can turn on the water supply; direct the monitor vertically or horizontally; and change the stream pattern of the nozzles; all from a safe distance. There is also an option that allows the monitor to oscillate automatically and start an auxiliary device such as foam or booster pump, thus freeing the operator to attend to other duties.

Elkhart's industrial systems are available as a pre-engineered solution or a custom created installation that offer multiple options that accommodate any installation:

- **Single Monitor or Multi-Monitor system**
- **Environment Conditions: Class I, Division 1 or Division/Zone 2 ; Marine (Saltwater) ; Caustic Gas Environments**
- **Material: Brass ASTM B-62/85-5-5-5 (Marine spec) or ASTM 584/81-3-7-9 ; Stainless Steel (299-20 Only)**
- **Actuation: Electric ; Hydraulic**
- **Communication: Electric (Discrete Cable) ; Electronic (Digital Network) ; Wireless (Digital Network)**
- **Operator Controls: Push Button ; Joystick (Electrical) ; Touch Screen / Digital Panel ; Plant Interface ; Portable RF**
- **Voltage: 120, 240, 480 VAC STD (380 VAC Optional)**
- **Common Elective Features: System status and warning notification, panic button discharge and oscillation, plant supervisory control integration, multiple control**

ECHO (ERCM):

Electric Remote Controlled Monitor systems are pre-engineered systems specifically designed for hazardous location Class I, Division or Zone 2 environments.

Each ERCM includes: monitor / water cannon (85 brass), master stream nozzle (brass*), monitor junction box (stainless steel), monitor motor control panel (stainless steel), and an operator control panel (stainless steel).

HRCM:

Hydraulic Remote Controlled Monitor systems are pre-engineered systems specifically designed for hazardous location Class I, Division 1 environments.

Each HRCM includes: monitor / water cannon (85 brass or SS), master stream nozzle (brass), valve & pump box (NEMA 7/4 cast aluminum) with spool assembly (welded steel riser pipe), and operator control panel (NEMA 7/4 or NEMA 4X).

Custom:

Custom systems are designed and engineered for your specific hazardous location application. This could include anything from gas mitigation to mining operations to marine & saltwater applications.

Custom systems allow the user to specify how many monitors per system, the environmental rating, material, actuation type, communication type, etc.

Contact your Elkhart Brass representative to start designing your next installation.



*Available with Electroless Nickel for increased corrosion resistance.