

Cease Fire - *Non-toxic, dry powder, overhead fire suppression systems*

ETA Associates' newest line of products are overhead, self-contained fire suppression systems from [Cease Fire](#). Cease Fire units use a non-toxic powder that won't harm people in a room when the system activates, and that can be cleaned up by simply vacuuming the powder. These fire suppression units are ideal for situations where property is valuable, but vulnerable, and would be damaged by water; or in remote locations where water is not available. They allow for rapid response, within 4-5 seconds, and protection of valuable assets without the use of water, and prevent re-ignition. The Cease Fire units have a ten year life span, don't require annual inspection or testing, and are available with a range of suppressant agents.

Cease Fire units can be activated either by a fusible link set at 155 degrees F or higher, or can be networked to other devices (such as flame or smoke

detectors) that can send a signal to trigger the device. Relays can be configured to send a signal when a device activates.



The CFF 800 is a dual agent, preengineered, self contained, heat activated system. It uses Cease Fire's patented ABC powder with Dupont's EPA approved FE227 (FM200) fire extinguishing gas to create a dual agent gel for maximum fire suppression. It is Factory Mutual (FM) approved and rated for Class A, B, and C fires. These systems provide 10 years of fire protection with a minimum amount of care. A single system will provide protection for 67 sq. ft./800 cu. ft.

Additional models are available:

- CFCA - all gas clean agent/FE227 (FM200) for Class B and C fires.
- ASP - dry chemical for Class A, B, and C fires
- CFB - with Halon and dry chemical for Class B and C fires

McMillan - *Gas and liquid flow sensors, meters and controllers*

McMillan Company specializes in the design and manufacturing of precise gas and liquid flow sensors, meters, and controllers. Ultra-high purity, non-ultra high purity, gas applications and displays are included in available product. These are used in a variety of industries including: Automotive, Construction, Facilities, Food and Beverage, Industrial Equipment Manufacturing, Semiconductor, University, and Veterinary Medicine. They can measure Gasoline and Diesel Fuel, Air, Nitrogen and other gasses, General Chemical (Acid, Alkali, Solvent), and water systems.

An example of one of their meters is the Model [U709 UHP](#) Liquid FLO-MONITORS which will precisely measure flow rates of virtually any photoresist chemical, whether a short burst of flow or a continuous flow. Dispenses as short as 500 milliseconds and volumes as low as 0.1 grams can be detected repeatably.

Repeatable results are achieved by using a patented microturbine flow sensor design. This design, unlike traditional paddlewheel designs, provides accurate flow measurement with no particle generation or elemental contamination. PTFE, perfluoroelastomers, and sapphire wetted parts ensure compatibility with chemicals commonly found in microelectronics manufacturing processes, including deionized water, CMP slurries, acids, solvents, and photoresist.



These FLO-MONITORS integrate the sensing element with advanced electronics to provide output signals proportional to flow rate. Each unit is individually calibrated before shipment, and a certificate of calibration accompanies all FLO-MONITORS. The reliable technology used reassures process engineers of consistent repeatable results.

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Baseline Mocon - 8900 Gas Chromatograph

The **Baseline® Series 8900** is a multi-purpose gas chromatograph designed to continuously monitor single or multiple gas components in a wide range of applications. The analyzer is microprocessor based and contains powerful embedded firmware. This makes it an online instrument with GC technology that is virtually transparent to the end user. There are a variety of state of the art detector, calibration and gas train options offering the flexibility and precision necessary to analyze from sub-ppb to percent levels.

The 8900's automatic calibration is ideal for unattended operation. It can be set up on a bench-top or rack-mounted, and its compact size makes it transportable. There are a variety of industry standard outputs, such as network (LAN), RS232, multiple 4-20 mA or 0-20 mA, and multiple relays for concentration alarms, diagnostics or user specified timed events.

Applications:

- Well logging - fast C1-C5
- Area monitoring of toxic gases for industrial hygiene and safety - Ethylene Oxide, Acrylonitrile, Butadiene, Styrene, Epichlorohydrin and many others
- Fenceline (perimeter) monitoring around

- industrial and remediation sites - BTEX and other VOC's
- Scrubber efficiency – hydrocarbons and VOC's
- Carbon bed breakthrough detection - solvents and organic compounds
- Quality Assurance Monitoring, contaminant analysis or blending of industrial gases
- Methane/Non-methane analysis
- Over 200 detectable gases

Features

- Accurate & specific to a range of gases
- Continuous unattended operation, operates with or without a computer
- Automatic calibration and baseline correction for long-term stability
- Outputs include digital, user definable analog and user definable logic
- PC based SkyChrom™ software stores multiple analytical methods and chromatograms
- Multipoint sampling options
- Onboard short-term data storage.



Service, Calibration, and Repair - *Factory trained technicians*

Did you know that ETA Associates, in conjunction with the staff of **Safety Inc**, their parent company has service staff and technicians available to service a wide range of instruments?

This allows us to offer our customers fast turnaround and lower cost. ETA has trained technicians on staff for calibration, repairs, and to answer questions from our customers. Our phone lines are staffed Monday through Friday, 8 am to 5 pm Eastern Time.

In order to help you keep your instruments in top operating condition, we will also send reminder notices for annual service on selected instruments.

If you have a product in need of repair or upgrading, prior to shipping your instrument, please let us know by:



- Call us at (978) 532-1330
- Email eta@ETAassociates.com, or
- Submit an online request at www.ETAassociates.com, select "Calibration and Repair", then "Instrument Repair Form", fill out on-line, click submit on the bottom.

Upon receipt, we will contact you with a quote and preliminary diagnosis for your approval, before beginning any work.

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