

COOL CACHE

HOT INNOVATIONS for improving emergency response

BY LOUIS N. MOLINO SR.

In the spring of each year, Indianapolis falls under a siege of sorts. The annual Fire Department Instructors Conference (FDIC) hits the city in a very big way. Indianapolis plays host to not only fire instructors but emergency services professionals from all backgrounds. For those of you who have never attended, FDIC tends to be a launching ground for some of the most innovative products used in emergency response.

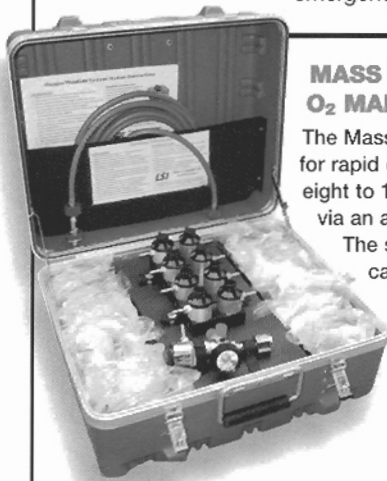
After more years in the business than I care to recount, this was my first venture to the show. In walking the floor, I was simply amazed at the sheer volume of vendors. The place seemed to be a vast labyrinth, and I couldn't help but wonder how one would search a place like this in an emergency. (The city's strict codes made such an event unlikely, but I suspect other attendees had the same instincts.)

The following are some of the more innovative products that have specific first-response applications. They're well worth a second look.

MASS CASUALTY O₂ MANIFOLDS

The Mass Casualty O₂ Manifolds allow for rapid oxygen delivery to as many as eight to 10 patients with high-flow O₂ via an appropriate delivery device.

The systems are configurable and can be built into a hard case or any number of standard configurations. The photo here shows the hard case open. An optional humidification capability configuration is also available.



SCBA TANK REGULATOR/SCUBA TANK ADAPTER

This unique regulator and adapter allow the use of SCBA and/or SCUBA tanks as replacements where standard breathing air may be all that is needed for patients who require ventilation assistance but have no clinical need for high concentrations of oxygen, or where backup supplies of on-scene oxygen have not been supplemented by MCI caches. In a mass-casualty event, these tank adapters could prove critically valuable to large numbers of patients who, otherwise, wouldn't receive ventilation assistance.

Lifesaving Systems has also combined the Oxylator with its SCBA tank regulator/SCUBA tank adapter and other accessories to create the HAZMAT Oxylator Resuscitation Kit. (The National Medical Response Teams use this kit.) Oxylators can also be adapted/attached to the Mass Casualty O₂ Manifolds if needed for emergency patient ventilation support.



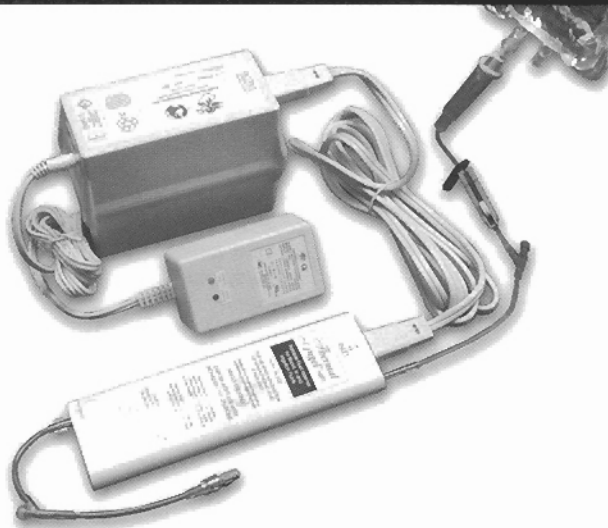
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- **Main Contact:** Tom W. Cleveland Jr., Vice President Sales and Marketing
- **Address:** 485 Abbeywood Drive, Roswell, GA 30075-3284
- **Phone Numbers:** Toll Free: 866/OXYLATE (866/699-5283) Office: 770/552-8696 Fax: 770/552-8644
- **E-Mail Address:** info@Lifesavingsystemsinc.com or Lsitcleve@aol.com
- **Web Sites:** www.Lifesavingsystemsinc.com
For Oxylator EM-100 clinical and scientific studies, visit: www.cprmedic.com



OXYLATOR

The Oxylator family of products provides EMS with some unique and versatile patient ventilation options and alerts that, in a chemical MCI situation, could mean the difference between life and death for a number of patients. The Oxylator provides for closed/positive-pressure ventilation of patients and can be safely and efficiently used by providers wearing a variety of PPE. Several models are available, including those with butyl rubber components.



THERMAL ANGEL BLOOD & IV FLUID INFUSION WARMER

The Thermal Angel Blood and IV Fluid Infusion Warmer has many applications in both the hospital and prehospital setting. If you have a need for rapid warming of IV fluid or blood, this new technology may be what you're looking for. The FDA-approved warmer is designed for single patient use.

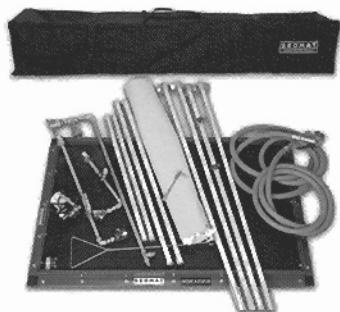
- **Company:** Estill Medical Technologies Inc.
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- **Address:** 4144 N. Central Expressway, Ste. 260, Dallas, TX 75204
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LIGHTED SEARCH BAG DEPLOYMENT SYSTEMS

Lumanex's bag deployment systems are unique. These lightweight, portable systems allow responders from all emergency service disciplines to quickly deploy a light cable within hazardous and/or low-visibility work environments. The units come in a variety of configurations and power-supply options.

- **Company:** Lumanex Inc.
- **Main Contact:** Stephen E. Kaler, Managing Director
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THE GEOMAT SHOWER

This uniquely designed hazmat shower unit offers a means of capturing wastewater and hazardous materials expelled during the decontamination process with a unique pumping system. Hazardous materials are dispelled below the patented tri-mat surface into a holding area to be disposed of immediately.

- **Company:** GEOMAT A Division of Executive Auto Care Inc.
- **Address:** P.O. Box 271852 Tampa, FL 33688-1852
- **Phone Numbers:** Office: 813/936-7992 Fax: 813/936-2132
- **E-Mail Address:** info@geomat.com
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DECONTAMINATION SHOWER SYSTEM

FSI North America has created a mobile, self-contained 19' trailer-based shower system designed to provide hot water and electricity in emergency situations. Wastewater is captured in a holding tank. Water is pressure-regulated, filtered and mixed in a proportion valve for delivery into the distribution system. The mounted, on-demand propane water heater provides continuous hot water to the system. The generator supplies power for the water heater as well as four external mounted halogen lights, two interior mounted waterproof fluorescent light fixtures and the water pump.

- **Company:** FSI North America
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