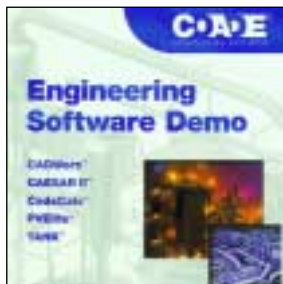


# CEP Showcase

## Plant Design Software



COADE offers a free demonstration CD that illustrates its plant design and analysis programs. Walkthrough demonstrations describe software for mechanical design and analysis of piping systems and pressure vessels, piping CAD, and oil storage tank design. Executable demonstrations are included to provide "hands-on" evaluation of these popular packages.

Contact us at (281)890-4566 or

sales@coade.com. Visit our web site at [www.coade.com](http://www.coade.com)

Reader Service Number # 150

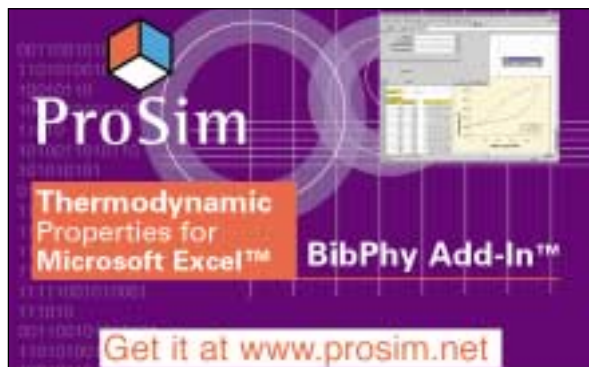
## Therminol Vapor Phase Design Guide



Therminol vapor phase heat transfer fluids are specifically designed to meet the demanding requirements of phase systems. This guide discusses three distinctly different Therminol vapor phase heat transfer fluids that allow users to select the one that best matches their needs—Therminol VP-1, Therminol VP-3 and Therminol LT.

For more information visit our website at: [www.therminol.com](http://www.therminol.com)

Reader Service Number # 152



Reader Service Number # 154

## Chemical Engineering Modeling Tool



COMSOL, Inc.'s FEMLAB puts you on the front line! FEMLAB Chemical Engineering comprises a powerful, unique environment for modeling momentum, heat and mass transport coupled to chemical reactions. Now you can model fluid flow, gas flow and incompressible turbulent flow using a single tool. FEMLAB's key features include:

simultaneous solving of an arbitrary number of coupled nonlinear PDEs and state-

of-the-art solvers for linear and nonlinear stationary and time-dependent problems in 1D, 2D, and 3D.

Reader Service Number # 151

## Piping Design Software



Chemstations has released CC-SAFETY NET for piping networks and safety relief systems, including two phase venting. These systems can be studied in a steady state or dynamic mode. The calculations use the core components

of the CHEMCAD simulator: a full physical property database and set of thermodynamic options for calculating phase equilibrium; this sets CC-SAFETY NET apart and gives users distinct, bottom-line advantages.

Visit us, <http://www.chemstations.net>, or call us, 800-243-6223.

Reader Service Number # 153

## Molecular Weight in 3 Minutes



Viscotek's Flow Injection Polymer Analysis (FIPA) technique delivers fast and accurate average molecular weight and intrinsic viscosity in 3–5 minutes — without the need for elaborate sample preparation. FIPA provides the perfect complement to your current testing methods. Short sample turn-around time means it can be used for high throughput screening as well as routine process and

quality control. For more information call us at 1-800-375-5966 or visit us at [www.viscotek.com](http://www.viscotek.com)

Reader Service Number # 155

## Ultrasonic Level Transmitter



ABM series ultrasonic level transmitters feature all PVC construction and ranges up to 60 feet. One push-button easily sets up the unit in the tank or on the bench. Self-cleaning transducer is immune to con-

densation build-up. Built in temperature compensation and false echo rejection is standard. AC or DC supply; 4-20mA output.

For additional information contact: BABBITT INTERNATIONAL, P. O. BOX 70094, HOUSTON, TX 77270

800-835-8012

[www.babbittlevel.com](http://www.babbittlevel.com)

Reader Service Number 156

## Thin-film Evaporation Lab Testing



LCI's LabVap™ is a small thin-film evaporator for R&D facilities developing products/processes requiring thermal separation of process streams using evaporation. Designed to evaluate a broad variety of applications.

- Only small quantities of material needed
- Heating temperatures up to 650°F
- Quick disassembly/assembly for ease in cleaning

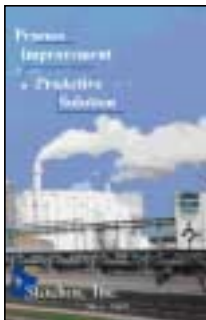
LCI Corporation • Charlotte, NC

704-394-8341 • Fax 704-392-8507

[info@lcicorp.com](mailto:info@lcicorp.com) • [www.lcicorp.com](http://www.lcicorp.com)

Reader Service Number 158

## PPI Software



ProActive Process Improvement (PPI) is a patented on-line, dynamic analysis system that improves the manufacturing process. This advanced control product integrates on-line critical control variable identification, evolutionary operation, and bi-directional communication with a plant control system. This integration produces a model-free/training-free process improvement environment to optimize plant performance.

Visit our website at [www.stochos.com](http://www.stochos.com)

Reader Service Number 160

## NewAge Industries



Plastic and rubber tubing and hose for chemicals are illustrated in NewAge® Industries' colorful brochure. Tubing and hose materials include PVC, polyurethane, nylon, TPR, silicone, fluoropolymers, Viton®, more. Fittings and clamps in plastic and metal. Custom capabilities include thermal tube bonding, heat forming, coiling, and hose assemblies.

For more information please contact us at: 800-50-NEWAGE or visit us at:

[www.newageindustries.com](http://www.newageindustries.com)

Reader Service Number 162

## Field Services Brochure



New brochure describes MikroPul's field services for dust collectors and wet scrubbers, including refurbishment, upgrades, and maintenance. Advancements in media, controls, and inlet technology over the last 10 years can significantly improve capacity and efficiency, or reduce emissions. Many times, an old dust collector can be brought up to current specs for about 1/2 the cost of a new unit.

800-892-7278 ..... [www.mikropul.com](http://www.mikropul.com)

Reader Service Number 157

## Opportunity for AIChE Members With Pollution Control Projects



Recently closed plant with \$Millions in brand new (or nearly new) cutting edge pollution control equipment, including RCRA Approved 99.99% MACT Thermal Oxidizers with scrubbers galore, multistage soil stabilization equipment, lamella clarifier/settlers, filter presses, slurry grinders and much more. We are looking for new homes for these assets, a "win-win" for all concerned. Available at prices well below acquisition cost.

To learn more about this extraordinary opportunity, please call Matt Gross at (484) 582-0100 or go to [www.re-logistics.com](http://www.re-logistics.com).

Reader Service Number 159

## Therminol VP-3



Therminol VP-3 liquid/vapor phase heat transfer fluid was specially developed to allow vapor phase heat transfer at lower temperatures than are practical with traditional diphenyl oxide/biphenyl constituted fluids like Therminol VP-1.

For more information visit our website at: [www.therminol.com](http://www.therminol.com)

Reader Service Number 161

## New Ashcroft®



From the makers of Ashcroft® products comes a rugged, portable and easy-to-read digital test gauge. The new Ashcroft digital gauge combines precision and multifunction capability in a weatherproof case. The result is a portable test gauge that can be easily transported for accurate measurements in all types of environments. The gauge features the industry's smallest case (3") and the largest display — larger than even competitors' 4" gauges.

Visit our website at [www.ashcroft.com](http://www.ashcroft.com) for more information.

Reader Service Number 163