

INDA's e-Filter Newsletter

The Filtration Industry's Information Hub

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Welcome to e-FILTER, sponsored by INDA, Association of the Nonwoven Fabrics Industry (www.inda.org). It is sent every other month to executives within the global filtration business and focuses on the latest news, new products, patents, legislative issues and commentary in the filtration industry. Check out the information at the end of this newsletter on how to subscribe or submit your company's information for inclusion.

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CONFERENCE PROGRAM UNVEILED FOR FILTRATION 2005

An impressive three-day Conference Program, coupled with the opportunity to see the latest new products and technology touching all aspects of filtration, will attract thousands of filtration industry professionals to the Filtration 2005 International Conference and Exposition, November 15-17 at Navy Pier in Chicago, Ill.

INDA expects more than 2000 attendees from around the world to gather in Chicago for Filtration 2005 to network, attend the Conference and walk the aisles filled with more than 100 exhibitors from all links in the filter supply chain.

"Filtration 2005 will be the best place this year to be a part of an increasingly important global market," says Rory Holmes, INDA President.

Highlighting the Conference program will be the November 16 keynote presentation by Dr. Morton Kaimen, Ph.D., Northwestern University, who will share his thoughts on the opportunities for filtration companies created by the rivalry between the U.S., China and India for goods, services and energy.

Among the other topics being covered in the three-day Filtration 2005 Conference:

- * Cleanrooms: Learn about selection and repair of HEPA filters, product development and test results and synthetic filters and their ratings.
- * Healthcare: The session will examine the myriad applications where filtration products are used for medical uses.
- * Environment: Business opportunities are plentiful in this "hot" segment and this session will focus on the need and methods to reduce contaminants from water and air.
- * Automotive: The session will examine many aspects of filtration in the automotive industry, from the painting of cars to aftermarket maintenance.

In addition, the highly popular "Short Course: Basics of Filtration," returns as a way for new employees as well as seasoned professionals to learn more about the basics of the industry. The Short Course runs on Tuesday, November 15.

To reserve exhibit space, contact Marilyn Bellinger, 919-233-1210, Ext. 118, mbellinger@inda.org.

FILTRATION 2005 EXHIBITORS: SEND IN YOUR FREE PUBLICITY FOR DAILY FILTER

Once again, the DAILY FILTER show daily newspaper will be published during Filtration 2005 in Chicago. All exhibitors are entitled to free publicity in the Daily Filter, and advertising opportunities are available to help a company stand out from the crowd.

Early editorial submissions will also be featured in the November issue of the e-Filter newsletter, which is sent to thousands of industry professionals around the world.

All publicity and editorial materials should be sent directly to Michael Jacobsen, Daily Filter, at mjacobsen@inda.org.

For advertising opportunities, contact Misty Ayers at mayers@inda.org.

INDUSTRY NEWS

CENTRAL AMERICA BUSINESS DEVELOPMENT MISSION PLANNED

Last month Carlos M. Gutierrez, Secretary of the U.S. Department of Commerce, announced that he will lead a business development mission to Guatemala, Honduras, and El Salvador October 16-22, 2005.

The trip is designed to highlight new U.S. business opportunities available under the DR-CAFTA, and those who participate will meet with key government and business representatives, Chambers of Commerce and industry, trade associations, and potential business partners. The mission will focus on several industry sectors that involve nonwovens including: aerospace, automotive parts and services equipment, building supplies, construction equipment; environmental technologies, food processing and packaging, medical equipment, paper and paperboard, and textiles.

For more information, or to obtain an application for joining the mission, please visit the CAFTA Mission website at www.buyusa.gov/centralamerica/en.

FREUDENBERG LAUNCHES MICRONAIR US WEBSITE

Internet surfers are now only a click away from safer, fresher air inside their vehicles now that the North American Filtration Division of Freudenberg Nonwovens – a unit of the global, diversified Freudenberg Group – has launched a U.S. website for its micronAir line of automotive cabin filters.

The new website, www.micronair.us, provides consumers with application information and detailed do-it-yourself installation instructions for more than 110 late-model cars, SUVs, light trucks and commercial vehicles produced by BMW, DaimlerChrysler, Daewoo, Ford, General Motors, Honda, Hyundai, Mercedes-Benz, Porsche, Saab, Toyota and Volkswagen.

“Many consumers are unaware that their vehicles have air filters and that they need to be changed in order to keep them working properly,” said Barry F. Kellar, VP&GM of the North American Filtration Division for Freudenberg Nonwovens. “We believe the new micronAir website will prove to be an important tool that will help spread the word about the benefits of automotive air filters.”

The micronAir website also features frequently-asked-questions and background information on the filters. In addition, consumers have the ability to purchase replacement filters for their make and model of car by using a simple product selector on the website.

HOLLINGSWORTH & VOSE LICENSES DONALDSON NANOFIBER PATENTS

Hollingsworth & Vose has signed a global licensing agreement with Donaldson Company covering technology used to produce nanofiber filter media and nanofiber containing filter elements for pleated air filters for on-road vehicle applications.

Under this license Hollingsworth & Vose will make, use and sell nanofiber filter media under certain patents and patent applications related to this market application owned by Donaldson. This arrangement will allow Hollingsworth & Vose's customers to use such filter media in connection with the manufacture, marketing and sale of filter products using Donaldson's technology.

The goal of Hollingsworth & Vose and Donaldson is to provide new innovative filter performance in pleated air filters for use in on-road vehicle applications. It has been shown that nanofiber technology offers dramatically improved filter element life in such applications, particularly when challenged with diesel soot contaminants. Diesel soot contaminants have been shown to more closely represent actual conditions encountered in on-road automotive and truck filtration applications.

"This is an important breakthrough for our customers," stated Val Hollingsworth, president and CEO of Hollingsworth & Vose, "as it will enable them to more fully utilize our Nanoweb fine fiber capabilities that we have developed over the last several years."

Hollingsworth & Vose will be contacting customers to discuss ways that nanofiber filter media may be used in confidential developments for next generation filter designs.

FILTRATION GROUP CONTINUES STRIDES IN HEPA

Filtration Group has introduced an M-Series HEPA filter, marking a major advancement in HEPA (high efficiency particulate air) filtration. This line of filters has redefined HEPA value, versatility and performance and its original design makes the M-Series extremely durable. The low weight, mini-pleated media pack and integral handle allow for easy installation and limit the product's natural wear. The M-series is the ideal filter for the pharmaceutical, medical and food industries, as well as contamination cleanups and hospitals.

HEPA filters have set the standard for advanced air filtration with their superior performance in contaminant removal. While traditional standard capacity HEPA filters are still a valuable commodity, there is always room for general upgrades and efficiency improvements.

STUDY SHOWS HOUSEHOLD WATER TREATMENT IN DEVELOPING WORLD CAN SAVE LIVES

The current issue of the British Medical Journal online includes a scientific study conducted by the U.S. Centers for Disease Control and Prevention (CDC) that shows that household water treatment with PUR Purifier of Water developed by Procter & Gamble significantly lowers diarrhea in children. This is the first study of household water treatment to show a significant reduction in mortality.

"Worldwide, many people drink contaminated water," says John Crump, first author on the study and CDC Medical Epidemiologist. "Our study shows that

among people who have highly contaminated and dirty drinking water, PUR can provide water that looks cleaner and reduces the risk of diarrhea, particularly among infants and children."

Because PUR was acceptable to consumers in this study, P&G has worked with a local women's group, the Society for Woman and AIDS in Kenya (SWAK) in order to continue to provide PUR to local consumers. P&G provides the product at cost and SWAK sells PUR for local income generation. P&G has also provided funding so that the non-profit group Population Services International can distribute PUR throughout Kenya."

Scientific reference to the study: John A Crump, Peter O Otieno, Laurence Slutsker, Bruce H Keswick, Daniel H Rosen, R Michael Hoekstra, John M Vulule, Stephen P Luby. Household based treatment of drinking water with flocculant- disinfectant for prevention of diarrhea in areas with turbid source water in rural western Kenya: cluster randomized controlled trial, BMJ, doi:10.1136/bmj.38512.618681.E0 (published 26 July 2005)

PATENT REVIEW

Upright refrigerator, particularly of built-in type, with anti-dust filter for the compressor compartment, and anti-dust filter for this latter

Inventor: Sessa, Luigi; Zambon, Marco

Assignee: Whirlpool Europe

Application Number: 05100814.2

Abstract: An upright refrigerator comprises a cabinet having in a lower position a compartment housing the usual compressor of the appliance refrigeration circuit, said compartment being open at the rear in proximity to a rear wall of said cabinet, this latter comprising side walls having portions projecting lowerly from the bottom wall of said compartment supporting the compressor towards a surface on which the refrigerator rests, the cabinet having a lower wall raised from said surface, between this latter and said bottom wall of the compressor compartment there being present a frontally open cavity below the usual front part of the refrigerator, at least the lower wall having an aperture communicating with the rear aperture of said compartment. A filter member is removably positioned in said cavity to retain the impurities present in the air entering from the aperture of the lower wall of the cabinet and directed towards its rear aperture.

Water filtration device

Inventor: Smith, John, T.; Nohren Jr., John E.

Assignee: Innova Pure Water

Application Number: 05250835.5

Abstract: A water filtration system includes a bottle having a top, a bottom and an interior. A first filter is disposed in the bottle interior, and a second filter is disposed in the bottle interior in series with the first filter. The second filter is formed of a sub-micron hollow fiber membrane filter and includes a filtered water outlet. The first and second filters are configured such that filtered water exits the filtered water outlet with the bottle in the upright attitude.

Arrangement and method for maintaining a minimum flow velocity in the coolant return of a machine tool coolant filtration system

Inventor: Bratten, Jack R.

Assignee: Bratten, Jack R. Application Number: 05002549.3

Abstract: An arrangement and method for maintaining a minimum flow velocity in return piping receiving dirty coolant from a plurality of machine tools receiving filtered coolant from a filter apparatus. A bypass line diverts clean coolant into the return piping via a pressure reducing valve set to allow make up flow of clean coolant into the return piping just sufficient to maintain a pressure corresponding to the minimum flow velocity in the return piping. A pressure maintaining valve is interposed upstream of the pressure reducing valve and set to restrict flow as necessary to maintain adequate pressure to insure that the machine tools are adequately supplied with clean coolant at start up prior to the beginning of contaminated flow in the return piping.

Disposition of oil filter and oil cooler in an internal combustion engine

Inventor: Kawakubo, Hiroyuki; Gunji, Toru; Sumi, Hiromi

Assignee: Honda Motor Co.

Application Number: 03026935.1

Abstract: In a multi-cylinder internal combustion engine with an oil being sucked from an oil reservoir portion by an oil pump and supplied to individual portions of the internal combustion engine through an oil filter and an oil cooler, the invention improves the mounting position of a case containing an element of the oil filter, thereby to facilitate the attachment and detachment of the case for replacement of the filter, to devise the mounting position of the oil cooler, thereby to enable oil cooling by an air-cooling effect of a running airflow, to devise the position of supply of the oil to a main gallery, thereby contrive uniformization of an oil pressure supplied to individual bearing portions and uniformization of cooling of the individual bearing portions, to devise a balancer position, and thereby to balance weight in the left-right direction of the internal combustion engine. In the invention, the oil filter is mounted to a side surface of the internal combustion engine, the oil cooler and the balancer are mounted to a front central portion of the internal combustion engine, and the oil discharged from the oil cooler is introduced to a substantially central portion of the main gallery.

THAT'S ALL, FOR THIS MONTH ...

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Any company with news for the INDA e-FILTER Newsletter, or any individual with something they want to say to the industry, should send an email to Michael Jacobsen, INDA, at [mjacobson@inda.org](mailto:mjacobsen@inda.org); 201-612-6601; Fax 201-612-6677.