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# e-Filter Newsletter

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Welcome to e-FILTER, sponsored by INDA, Association of the Nonwoven Fabrics Industry. 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.

## INDA NEWS:

### Filter Product Receives Prestigious Visionary Award



Designed to help save lives and protect individuals from harm from air-borne particles, the REDI MASK from Global Safety First, of Manasquan, NJ, was named



the recipient of the prestigious 2011 Visionary Award

presented at the VISION 2011 Consumer Products Conference in Carlsbad, California.



Karen Conte (left) and John Schwind (right) of Global Safety First, accept the 2011 Visionary Award from INDA president Rory Holmes for the company's REDI MASK product.

The REDI MASK was selected over four other finalists by the attendees at the tenth annual VISION Conference, which was held from January 10-12 at the Park

Hyatt in Carlsbad, California. The annual VISION Conference is organized by INDA and each year it brings together hundreds of executives from non-

wovens and consumer products companies around the world for three days of education and networking.

REDI MASK is a patented Particle Respirator designed to elimi-

nate the problems with mask fit that plague the respirator market. REDI MASK is light, portable, effective and Made in the USA. It utilizes DelStar's electrostatically charged DelPore melt

blown media and a medical grade adhesive is used around the entire perimeter of the mask.

Now in its tenth year, the Visionary Award is presented to a new consumer product that utilizes nonwoven fabrics in its final form. The five finalists made presentations during VISION 2011 and conference attendees voted for the recipient of the 2011 Visionary Award.

“The technical advances in the finished product, along with its novel and extensive use of nonwoven materials, proved to VISION attendees that the Read Mask is truly a visionary product,” says Rory Holmes, President of INDA. “There were five outstanding products representing all aspects of consumer products – from baby care to wipes to cleaning products – and they were all winners by being selected as finalists in the 2011 competition.”

Visionary Award project coordinator Michael Jacobsen and INDA president Rory Holmes presented the Visionary Award to John Schwind and

Karen Conte of Global Safety First.



**FINALISTS: Cathie Petak, Rockline Industries; Julianne Gonzalez, Kimberly-Clark; John Schwind, Global Safety First; Liza Sanchez, Procter & Gamble; Cathy Horton, Nutek; and Rory Holmes, INDA.**

The other four finalists were:

**Kimberly-Clark, Roswell, GA ...** Huggies Jeans Diaper — The Huggies Jeans Diaper has a unique blue denim appearance with printed graphics that replicate authentic blue jeans. The U.S. introduction included a newly developed pigmented and printed nonwoven outercover and matching components such as nonwoven stretch ears and a nonwoven landing zone.

**Nutek, Chagrin Falls, OH ...** Simply Soy Biodegradable Wipes — Simply Soy Biodegradable Wipes both lubricate and clean and feature extra large, biodegradable wipes or towelettes with soy-based lubricants and environmentally friendly cleaners.

Simply Soy biodegradable wipes feature the same safe chemistry as Simply Soy lubricant and can be used to clean and lubricate tools and other metal surfaces to prevent rust-build up.

**Procter & Gamble, Cincinnati, OH ...** Pampers Swaddlers and Cruisers with Dry Max — Pampers Swaddlers and Cruis-

ers with Dry Max utilize a new manufacturing process that makes the product thinner while locking in wetness to make it the driest Pampers ever. This process allows the company to get rid of bulky fluff material and to put the high powered absorbent gel exactly where babies need it.

**Rockline Industries, Sheboygan, WI ...** Flushable Moist Toilet Tissue — By modifying the specifications and the addition of an engineered geometrical quilted thermal emboss design, Rockline was able to create a durable, bulkier, softer moist toilet tissue product that maintains flushability. The product is more than 95% biodegradable.

Previous recipients of the Visionary Award were Rockline's Regenerated Cotton Wipe, which received the Visionary Award in 2010. Other previous recipients include Ahlstrom's Disruptor Filter Media (2009); Kimberly-Clark's Spa Sensials personal care treatment (2008); Tyco Healthcare

Retail Group's Swim Pants (2007); Chicopee's Disaster Relief Blanket (2006); Fiberweb's Resolution Print Media (2005); Church & Dwight's Brillo Scrub 'n' Toss (2004); FMJ ChemBio's Civilian Quick Escape Mask (2003); and Procter & Gamble's Swiffer (2002).

The 2011 VISION Consumer Products returns to New Orleans next year and will be held January 24-26, 2012 at the Hotel InterContinental. For more information: [www.inda.org](http://www.inda.org).

## FILTRATION INDUSTRY NEWS:

### NASCAR Partners With K&N Filters



NASCAR has reached an exclusive agreement with K&N Filters for the company's air and oil filters to be designated the No. 1 Filter in NASCAR. No financial details were released.

This multiyear agreement provides K&N with a marketing platform for its products. K&N can use the NASCAR name for its packaging and advertising. K&N offers a complete line of washable/reusable high-flow air filters, wrench-off oil filters, and performance air intake systems.

K&N will maintain its status as an official developmental series partner of NASCAR, sponsoring of the K&N Pro Series and also will be a prize money and decal sponsor for Sprint Cup, Nationwide Series, Camping World Truck Series, Whelen Modified Tour and Whelen All-American Series.

### Ahlstrom Investing In Italian Filtration Site



Ahlstrom recently announced that it will be investing in additional capacity in transportation filtration material at its site in Turin, Italy. The expansion

is planned to be completed in the fourth quarter of 2012.

"We have been pleased to grow with our key customers and, as a commitment to the

filtration business, we are expanding the operation with state-of-the-art equipment," said executive VP Tommi Björnman. "This is an important step in our global growth roadmap where we have strengthened our global plat-

form first in Asia and now in Europe. We will also continue to keep our focus on the Americas ... hence being a

global supplier in the filtration market with a full offering of filter media."

## Ahlstrom Sells Groesbeck Dust Filtration Unit



Ahlstrom Corporation has sold its Groesbeck filtration business, located in Groesbeck and Mexia TX, to Polyester Fibers. The Groesbeck operation, which employs about

100 people, makes air filtration media for the heating, ventilating and air conditioning industry. The unit has been part of Ahlstrom's Filtration business area's Dust Filtration unit. Ahlstrom stated that dust filtration materials do not fit strategically to its

product portfolio. The company had recently also sold its dust filtration business in Wuxi, China and Bethune, SC to Andrew Industries.

## BioTek Releases EL406 Vacuum Filtration Module



BioTek's EL406 Microplate Washer Dispenser may now be used for automated vacuum filtration processes with the new EL406 vacuum filtration module. BioTek's complete line of microplate washers can now be used for automated washing of polystyrene- and magnetic bead-based assays such as the Luminex xMAP assay platforms. Each BioTek washer and washer/dispenser products are configured to meet vari-

ous laboratory requirements, and come equipped with easy-to-use software for unattended operation and user-defined protocols. The ELx50 Microplate Strip Washer offers 96-well precise strip or full plate washing for ELISAs, bi-magnetic separations and vacuum filtration processes. The ELx405 Microplate Washer is popularly known for superior washing efficiency for ELISAs and cell based assays, and flexibility in 96- and 384-well microplates. The EL406 Microplate Washer Dispenser offers rapid 96-,

384-, and 1536-well microplate washing along with three reagent dispensers to optimize microplate-based liquid handling processes. Both ELx405 and EL406 models are robotic compatible.

## New Website Gives Hospitals Helping Hand on Sustainability



Hospitals have realized that sustainability is an essential ingredient of their operations, and their future. Now, according to a recent article in Air Filtration News, they are getting some help in achieving it. A new website – The Sustainability Roadmap for Hospitals ([www.sustainabilityroadmap.org](http://www.sustainabilityroadmap.org)) – has been created to give hospitals and other healthcare organizations information on how sustainability is changing and benefiting the industry, and how they can benefit, too.

A collaborative effort of the American Society for Healthcare Engineering, the Association for the Healthcare Envi-

ronment, and the American Society for Healthcare Resource and Materials Management, the site gives an overview of sustainability, explains what is driving it within the healthcare industry, provides strategies for starting – and succeeding at – sustainability initiatives, discusses various projects and how they have been implemented, and steers users to helpful external resources.

One area of sustainability receiving a lot of attention from hospitals is air filtration systems, and they have discovered how simple it is to achieve significant savings while maintaining patient care. Healthcare facilities using Camfil Farr hospital air filtration systems have seen

their HVAC energy costs drop by 15 to 30 percent. Their increased media area and unique product configuration ensures a low resistance to airflow resulting in significant energy savings. Camfil Farr air filters also feature an innovative fine fiber media construction that allows the filters to maintain efficiency throughout their entire service life — in contrast to traditional air filters that degrade over time. Camfil Farr air filters can be replaced less frequently, disposal and replacement costs decrease, as well. Meanwhile, patient care is improved since the hospital air filters do a better job keeping dangerous particles out of the indoor environment, reducing infections — no small consideration in a healthcare environment.

## Donaldson Expands Fuel Filter Product Line



Donaldson Company has expanded its fuel filter offering to provide customers with more

options to protect engine components and to extend equipment life. The expanded

line of replacement fuel filters includes a full complement of filters to fit Cummins engines, Racor fuel systems, Stanadyne Fuel Manager FM100 fuel systems, and DAVCO Fuel Pro 380/382/482 fuel processors.

“If you haven’t used Donaldson fuel filters before,

now is the time,” says Rich Lewis, GM in charge of liquid filtration at Donaldson. “This expanded product line-up gives us comprehensive coverage of fuel filter applications in both on-road and off-road vehicles, provides performance that meets or exceeds application require-

ments, and offers features that make them easy to install and more convenient to use. It truly is a better way to filter fuel.”

Many of the fuel filters in the expanded line have Twist&Drain valves, which make them among the easiest to service and use in the industry. The Twist&Drain valve, a key feature on Donaldson

replacement filters for Cummins and Racor systems, turns the complicated task of removing water into an easy process. This Donaldson-exclusive valve has been designed with user-friendly features that include a wider, easy-turn “thumb and forefinger” profile; self-venting, allowing for easy water flow; and a single threaded port in the bottom of the filter hous-

ing for fast and easy water draining without the awkwardness of multiple sensor and drain ports.

Donaldson filters for Cummins engines with Twist&Drain valves come standard with a fully integrated water-in-fuel (WIF) sensor in the drain valve for operator notification of water presence.

## Cummins Awards Eight Employees

**C**ummins has honored eight current or former employees with the company’s highest technical award for their work on two inventions that have yielded significant advancements in engine components made by the Company.

Tadeusz Jaroszczyk, Douglas Benham, Scott Heckel, Michael Connor, Stephen Fallon and Z. Gerald Liu were recognized for their work that led to Cummins’ original patent for its Direct Flow Air Filter. The group patented an innovation in the pleating process of manufacturing the filter

that increases the volume of air the flows through the filter — all while taking up less space in the engine compartment. This filter design assists in improving overall engine performance.

The Direct Flow filter has generated millions of dollars in sales in 2010 with potential for many new applications in the future. Jaroszczyk and Benham are recent Cummins retirees, while Heckel received his recognition posthumously. The other three inventors are current Cummins employees.

Bahram Nikpour and David Donnelley received the 2010 Perr Award for their work that significantly improved the compressor flow range for turbochargers. The inventors patented a new design for the compressor diffuser recess in Cummins turbochargers, which allows the turbocharger to operate more efficiently across a wide range of ambient air conditions.

The design change, which adds little cost to the turbocharger, helps vehicles perform better in a variety of conditions from sea level to high altitudes. Cummins currently manufactures more

than 200,000 turbochargers a year featuring this design, most for heavy-duty truck engines.

Both projects honored in 2010 have had a significant impact on the Company, the

industry and the environment, and the work exemplifies the spirit of the late Dr. Perr, who was responsible for many of the innovations that have made Cummins a leader in diesel technology.

This prestigious award was created to honor of Dr. Perr, who was named as the inventor or co-inventor of on 80 U.S. patents. Dr. Perr, who died in 2005, joined Cummins in 1958 after fleeing Communist Hungary.

## Pall Launches Filtration Modeling System



Pall Corporation has launched of a system to assist in the research and development of biobased processes that will enable the production of fuels and chemicals from renewable feedstocks. Pall's Research and Modeling scale (RAMs) Crossflow Filtration System is designed to help research centers, universities, national labs, and process developers evaluate the use of membranes and create reliable early economic guidance for future scale-up of their applications.

The new Pall system integrates a high level of data collection with a small batch production capability to facilitate large-scale process and eco-

nomics modeling during early stages of development, prior to field evaluation. It is capable of concentrating fluid streams by more than ten times and enables operators to evaluate inorganic, ceramic, stainless steel, and organic hollow fiber membranes, among others.

The flexibility of the RAMs system makes it ideal for crossflow filtration feasibility studies comparing the effectiveness of different membranes in specific applications, and enables the design of cost-effective "fit-for-purpose" pilot scale systems. This enables the Pall system to facilitate significant cost savings over generic piloting systems, and provide users with essential economic information concerning scale-up

much earlier in the development process.

There is a global movement focusing on the process development of biobased fuels and chemicals which can augment the supply of petroleum-derived fuels and chemicals. The use of renewable materials represents a paradigm shift driven by decreasing fossil resources and increasing carbon accumulation in our atmosphere that may be contributing to global warming.

The RAMs system will help developers understand how membranes can be applied to their processes, and can be used to develop early stage guidance for the use of membranes in several applications

areas. These include: prefiltration and product purification for biobased chemical production, high biomass solids recycling and perfusion in fermentation processes, algal biomass separation and concentration, and diafiltration. Working with the RAMs system enables the optimal membrane selection for a particular process, and allows quicker development times.

"The Pall RAMs Crossflow Filtration System will help our customers achieve successful processes for producing sustainable fuels and chemicals," said Greg Heilbrunn, senior vice president, global marketing, Pall Energy. "The system helps technology developers determine how filtration and separations will play a role in their processes prior to expensive pilot testing. Helping

facilitate the development of the biofuels industry is part of Pall's continuing commitment to enabling a greener future."

That's all for this month. Feel free to contact editor Michael Jacobsen at 201-396-7005 or email at [mjacobsen@inda.org](mailto:mjacobsen@inda.org).