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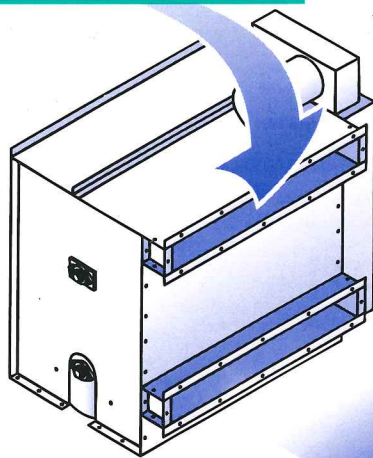
What's New?

The Versatile MS-Series Separators:

They Anchor the New Cull/Trim Collection System and Economically Remove Production Waste From Production Space

by Steve Smith

The new Cull/Trim Collection System can remove production waste from the production area, from up to 100 meters away.



The MS-series separators are mechanical separators, specially engineered and adapted for applications in the sanitary products industry. They operate under a "pull-through" negative, not positive, pressure.

A Standard for Bulk Fiber Handling

Originally designed for bulk fiber handling, the MS can also handle a wide variety of production materials. Since its inception, the MS-series separator has emerged as the centerpiece of a new generation of Cull and Trim Collection Systems.

Changing the Way We Collect Trim and Reject Product

Anchoring the new Cull and Trim Collection System, the MS allows all varieties of cull and trim to be pulled, not blown, from the production space. This means that there is no actual contact with the transporting mechanism, eliminating damage to the waste product unless you choose to break it up for further processing.

Please see **MS-Series Separators**, page 2

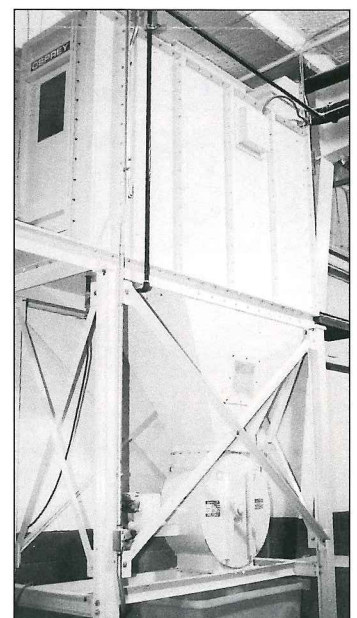


Nozzle Purge Collector Takes Care of Nozzle Purge Dust During Production Stops

by Jeff Orwig

The Nozzle Purge Collector (NPC) is a reservoir for unwanted nozzle dust from the drum filter, especially suited for use on sanitary napkin lines or during machine stops when you do not wish to circulate air back into the drum filter. The NPC System has a distinct advantage over bag filters, which require more space and maintenance.

Simply stated, the NPC collects nozzle purge dust and then discharges air that is 99.999% dust free down to one micron. Here's how it works: Air and fiber from multiple nozzle fan outlets enter an NPC inlet. Inside the collector, velocity drops rapidly, allowing fiber to fall into a collection hopper. High-efficiency cartridges inside ensure that the air exiting the top of the collector is essentially dust free, so it can be discharged into the factory environment itself if necessary. An oversized heavy-duty rotary air lock will deliver the purge material to the necessary receiver or collector. 🌐





Art Carved in the Imagination

In a fast-changing world, keeping pace with diverse international business practices is an increasing challenge, but we feel the immense privilege of having friends and customers all over the world. We would now like to recognize a friend who happens to be an artist.

Arlene Jo Michelson and her work were first introduced to us through her husband, a customer of ours. The inspiration for Michelson's art stems from the artistic traditions of numerous cultures around the world, including those of Native American, Japanese, and traditional Western artists. This makes her work something of a metaphor for what many companies do today, in drawing on international, not just regional, resources to ensure the highest impact in an evolving global culture.

For a time, Michelson was the only apprentice of Japan's pre-eminent Ukiyo-e Master, Munenori Makino. Today she creates lyrical prints in this painstaking technique of woodblock carving, as well as stunning bronze sculptures which incorporate imagery from Native American legends. Her work is exhibited and enjoyed worldwide in private and corporate collections.

If you are interested in viewing Michelson's art, you may contact her at her studio: 2929 200th S.E., Issaquah, WA 98027, telephone: (206) 392-7307. (New temporary number: (619) 427-6879.) 🌐

MS-Series Separators

Continued from page 1

In addition, the new system can be located up to a hundred meters from the production area, ensuring that production waste is safely, quietly, and economically removed from the production space.

Flexibility is the other hallmark of the Cull/Trim Collection System. The MS unit can function as a scrap destruction system receiver or as a single line or central cull receiver, while a similarly designed unit can handle bag tails, poly leg cuts, and trim. 🌐

Trade Show Diary

The Osprey Rotary Drum Filter and Firefly Fire Prevention System Deliver a One-Two Punch to Dust and Dust Explosions

August 22-25, 1996: The International Woodworking Fair, Atlanta, Georgia

Last August, America's woodworking industry got a closer look at one of the most technically advanced solutions available for preventing fire and dust explosions. The Firefly Preventive Protection System against fire and dust explosion detects and extinguishes particles at temperatures actually below the ignition temperature of cellulose. Thus, the Firefly System prevents fires and dust explosions before they can begin.

The Firefly System is installed in sound enclosures and ductwork for dust collection systems, so it is a natural partner to either the Osprey Sound Enclosure or any one of the family of Osprey Drum Filters. The combination of Firefly and Osprey works not just in the woodworking industry, but also in all dust-producing industrial processes, including the nonwovens, pulp and paper, tobacco, and food industries.



Dave Colburn demonstrates the explosion potential of just a teaspoon of wood dust as Firefly's Lars Turesson looks on. Also on display were Firefly's high-speed extinguishing mechanism, the infrared detector, and the high-speed diverter valve.

May 21-23, 1997: Expo Nonwovens Asia, Osaka, Japan

Come visit us in booth #C-06 in Osaka this May. You can find out about some changes and innovations in the way we are handling your filtration and material reclamation processes. New on the scene are the Nozzle Purge Collector, the Cull Collection System, an improved top inlet Phoenix filter, and updated standards for the Rotary Drum Filter.

For more information on attending Expo Nonwovens Asia 97, you can contact: Miller Freeman Japan Co., Ltd., Tel: 81 3 3669 5811/Fax: 81 3 3669 5830. 🌐

Touch Up Your Equipment With Spray Cans of Your Custom Color

by John Linehan

You can order 28-ounce cans of spray paint to match the paint color of your existing Osprey equipment. The cans' convenient size and portability make it easy to do touch-up work and repairs. Call me to place an order. 🌐



Ask OSPREY THIS ISSUE: How can I improve the efficiency of my SAP and Fluff Reclamation System?

by Steve Smith

For the winter issue of the Osprey newsletter, we have chosen to publish a customer question concerning SAP Extraction. The solution has been implemented now in several systems and has shown solid success.

Question: "I think humidity is interfering with the efficiency of my SAP Extraction System. What can I do about this?"

Answer: Rather than installing an expensive plant-wide humidity control system, we can route dry air from the main system fan of your drum filter, with or without an attached final filter.

The air needs to travel to specific sections of your Reclamation System: the fluff separators, beater section, and aspirator. The air from the drum filter is dryer than the surrounding plant air by virtue of traveling through the system. When we route this air into negative pressure positions of the SAP Extraction and Fluff Separation processes, it lowers the overall system humidity and can increase both SAP

and fluff recovery from reject product.

There is one interesting additional benefit to the solution I've described above: By routing exhaust air from the filter to the complete Reclaim System, you will

decrease the amount of make-up air brought into the plant, which is usually needed to balance air exiting to the atmosphere.

You can see an example of the low humidity duct system installed in our new Product Development Center. The system is also available for you to run trials on your product. 🌐

Win a prize for the best question to "Ask OSPREY"

"Ask OSPREY" is a regular column in the *Osprey Newsletter*. Each quarter we publish a customer question, and give you the solution recommended by a member of our long-time technical sales or engineering staff. The person who submits the winning question receives a package of Osprey merchandise, including the Osprey hat, Osprey calculator, and Osprey tape measure with duct conversions. Send your questions to Ann Litrel, Osprey Newsletter, 1835 Briarwood Road, Atlanta, GA 30329, USA, or fax them to Ann's attention at (404) 634-1401. 🌐

Ospreytalk

What's new in the flock?

Dan Schrader was recently promoted to the position of Project Engineer. Dan began his work in the Osprey Engineering Department more than seven years ago as a CAD operator/system designer, and in those years has gained a rare familiarity with the process of engineering Osprey systems and developing new equipment designs.



Congratulations to...

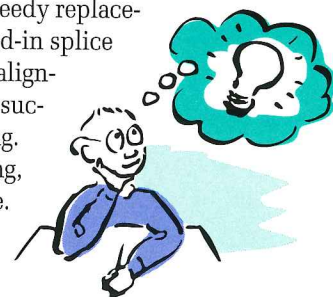
Kirk Harpole and his wife Samantha on the birth of their first child, Alexandra Barron, on August 28. Kirk is a member of our technical sales staff. 🌐

On the Drawing Board

by Marty Price

Spliced Seal Speeds Replacement of Continuous Seal in the Field

Formed with the same design profile as our continuous seal, a seal with a convenient spliced joint will lend itself to speedy replacements in the field. Molded-in splice hardware minimizes misalignment and has undergone successful preliminary testing. The results look promising, with the seal holding true.



New Secondary Seal Requires no Lubrication, is Graphite-Free

We're testing a new material for secondary seals, which requires no lubrication, eliminating the use of graphite or other lubricants in an auto-lube assembly. The seal is proving its utility in standard rotary drum filter applications. 🌐

What's New?

by Marty Price

Available Immediately: The New Final Filter Cartridge— Testing Shows 99.999% Filtration Efficiency on One Micron Particles

We've taken advantage of new cartridge technology to boost the filtration efficiency of both the Final Filter and the new Osprey Nozzle Purge Collector (NPC). The new cartridge demonstrates an efficiency of 99.999% on particles down to one micron.

The Final Filter System is designed to enhance the filtering capacity of the Osprey Rotary Drum filter. Ideal applications for the combined systems include processes for disposable hygienic production, plastic regrind/reclamation, and textile dry face finishing.

The new cartridge is also used for the Nozzle Purge Collector (read more about this on p. 1). The cartridge enables the NPC to collect fiber from the Drum Filter nozzles when the production line is at a stop and return air to the environment with a filtration efficiency the same as that of the Final Filter.

In addition to efficient filtration capabilities, other features of the new cartridge include wide pleat spacing to permit thorough pulse cleaning, and washability.

The new cartridge has wide pleat spacing to permit thorough pulse cleaning. The cartridge is also washable.

Application System for Diapers With Baking Soda is Now Available

Using loss-in-weight metering, our baking soda applicator measures baking soda into the diaper production line with the same kind of accuracy you expect from our SAP Metering Systems.

Call me for more information on any of the new products I've described above.

The MS-10 Separator is Built for Heavy-Duty Handling of Cull, Scrap, and Fiber

The MS-4 Separator now has a big brother, the MS-10 Separator, whose capacity is 10,000 CFM, or up to 10,000 pounds of fiber per hour. The MS-10 is designed for heavy-duty continuous operation on cull product, scrap, and fibers of various lengths.

The MS-series separators have proved surprisingly versatile, with applications in systems not only in bulk fiber handling, but also for collection of trim, leg cutouts, bagtails, bow ties, and reject diapers and napkins (read more on p.1).

Second Generation Loss-In-Weight SAP Metering Unit Provides Accuracy in Ramp-Up and Ramp-Down Stages

The second-generation Loss-In-Weight SAP Metering Unit uses an improved control design that makes it more operator-friendly than the original. With microprocessor-based "fuzzy logic," the new controller minimizes the deviation in metered material. As with the first-generation controller, the second-generation unit provides very accurate metering during normal run times. 🌐



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