



Newsletter

WINTER 1992

Osprey's Wings Stretch Into Mexico


Half a century ago, when Luis Pahul was a small child growing up in Switzerland, a business called Curtex was started by a family in Mexico. The purpose of Curtex was to represent European and U.S. textile machinery manufacturers in Mexico.

While the business in Mexico developed, Luis Pahul finished his education in Switzerland, received a degree in Business Management, and went to work for Juvenia, one of the largest Swiss watchmakers. He spent several years in the watchmaking industry before setting off for Mexico to work with his uncle in the textile business in the state of Puebla. After a number of years with his uncle, Luis went to work for Curtex. That was 24 years ago. Today, Luis Pahul is the owner of that

company. In the early '80s he changed the name to Barnatex, S.A., and it has expanded to represent European and U.S. Paper & Pulp Converters, Process Air Manufacturers, Electrical Manufacturers, and Mattress Manufacturers to Mexico, and portions of South America and the Caribbean.

In a way, Barnatex, S.A. is still a family business. Luis' father is Swiss but his mother is from Catalan in Spain. Josefina, his wife of 26 years, is from Barcelona. The Catalan word for Barcelona is "Barna." Add "tex" for textiles, and you have Barnatex—where the pervading attitude seems to be that "everything is possible." No obstacle is insurmountable. The business is expanding rapidly, and the challenge of that growth is fuel to the flame at Barnatex. Today, the Barnatex family is made up of David Lopez, Rebecca Santiago, Guadalupe Davila, and Jaime Cattori. Guadalupe and Rebecca handle the operation of the office, while David and Jaime handle sales and engineering along with Luis. David has been with the company for nearly 10 years. Jaime, who is finishing up a degree in Engineering from the National University of Mexico, has come aboard in the last couple of years. Before Barnatex he was putting himself through school working for a company that analyzes chemicals in Mexico.

Luis Pahul has a reputation for being methodical and systematic and for working all the time. He travels extensively in Europe and the U.S. for Barnatex. Yet we understand he is an avid reader, rides his bicycle, walks regularly, and has a passion for airplanes. He and his wife, Josefina, have raised two daughters. The youngest daughter is working on a law degree at the National University of Mexico and the oldest is a professional travel agent in Mexico.

If you're in the area and want to contact Barnatex they can be reached by telephone at 52-5-294-5712 and 52-5-294-4604, fax. 

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What's New

System Installation—Less Time, Less Money

by Dave Colburn

If you are planning to install Osprey equipment, there are some things you can do in advance to save money and time.

- First of all, inventory the shipment to ensure that all parts are in your Plant.
- Make all decisions about the location of the equipment in your Plant.
- Have the area cleared where the equipment is to be installed.
- Make sure all necessary tools are available.
- Depending on the size of the installation, have whatever additional personnel, if any, available and on-site at installation time.
- In the case of a Rotary Drum Filter installation, be sure that all necessary hardware is available for securing the enclosure wall panels to your floor.
- Last, but certainly not least, have the necessary Osprey installation manuals and blueprints available. 

Improved Emissions With Osprey Continuous Seal

by Jeff Orwig

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The new Osprey Continuous Seal is a success. In the last few months we have had reports from customers all over the world of improved emissions with the installation of the new Continuous Seal on the Osprey Rotary Drum Filter.

Tests conducted by one Osprey customer revealed an 85 percent reduction in the fluff dust emission on their Drum Filter after installation of the new Continuous Seal. The amount of SAP emissions was reduced by about 50 percent. Another customer has reported drastic reductions in emissions after installation of the Continuous Seal on seven Osprey Drum Filters. Before the new seal


was installed, this manufacturer was experiencing emissions of 16 mg/M³. After installation of the Continuous Seal, the reading was reduced to 4 mg/M³. Both readings were taken by the local environmental authority, not by the customer or by Osprey.

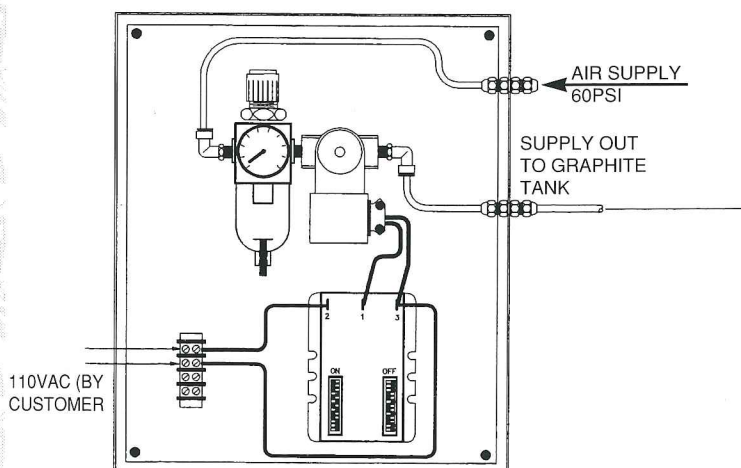
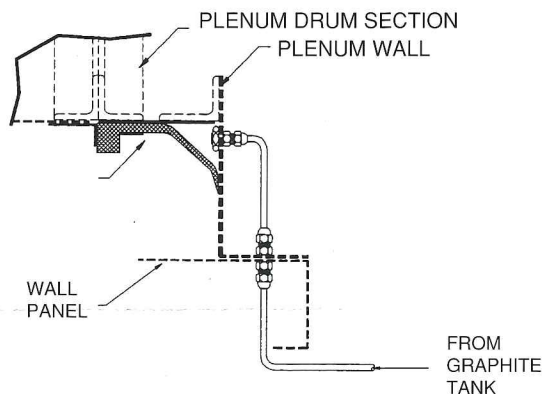
In the United States, OSHA (Occupational Safety & Health Act) respirable standards are maximum 5 mg/M³ inside the plant.

With the new seal on a typical Drum Filter that is maintained on a regular basis, Osprey expects the respirable dust levels to be less than 2 mg/M³. We cannot guarantee levels on Drum Filters however, because certain significant variables cannot always be controlled, such as the velocity

through the media; the type of SAP; the type of pulp; proper seal installation; the static pressure in the Drum Filter; the efficiency of the nozzle vacuum fan system; and maintenance/condition of the filter and filter media. Osprey is very pleased that these early reports indicate the new Continuous Seal is making a big difference in improving the quality of air both inside and outside customer's plants. 

Air Testing

If you have doubts or questions about the performance of your equipment, Osprey Technicians can perform air surveys that will tell you where your specific problem is and how it can be solved. Contact Dave Colburn, Osprey Field Service Manager. 



Auto Lubricator for Osprey Continuous Seal

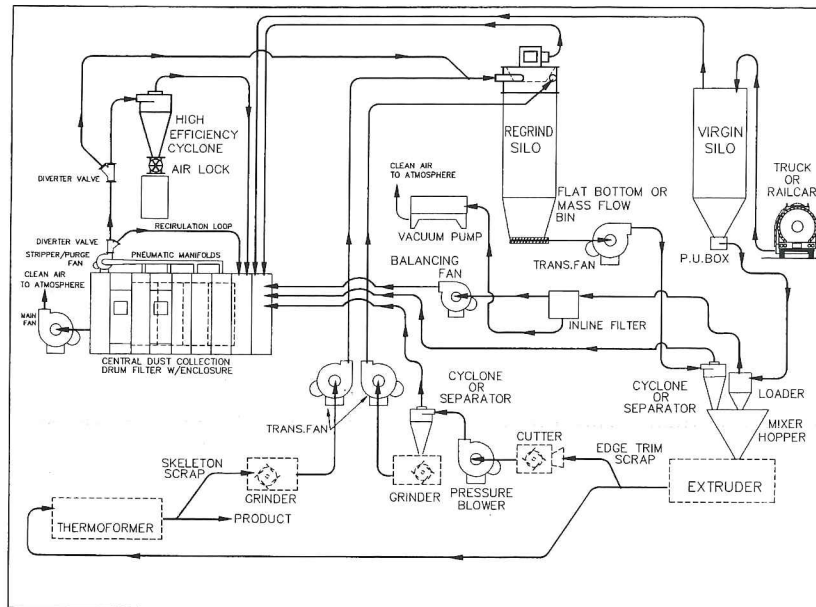
by Barry Rudd

Many of Osprey's customers have already installed the new Continuous Seal on their Drum Filters and are experiencing improved emissions. (See "Improved Emissions with Osprey New Continuous Seal.") The new Continuous Seal is virtually maintenance free except for occasional lubrication. To simplify the lubrication of the seal, Osprey has developed the Auto Lubricator. This device is electronically timed, and graphite is pneumatically conveyed to the seal. It is available in a ready-to-install kit. Installation is simple and requires under an hour. If you have the Continuous Seal, contact John Linehan in Osprey Parts Sales (800-235-3167) for more information about the new Auto Lubricator. 

Osprey Rotary Drum Filter Applied in the Plastics Industry

by Steven K. Smith

Osprey has had great success recently in applying the Rotary Drum Filter in the Plastics Industry. One popular application serves manufacturers who are doing in-house recycling. Utilizing collected edge trim, rejected product, and tabs & tails from a regrind process, producers can deliver the resulting plastic fluff from polystyrene or polypropylene to a blender to be mixed with virgin material. The regrind is conveyed by a material handling fan to a bulk storage reserve, with a mass flow or flat bottom discharge. Incorporating a low profile, integral separator section rather than the tall, more cumbersome cyclone, these vertical storage units exhaust back to a Rotary Drum Filter, providing a closed loop system. As this arrangement is always under a slight negative, all back pressure from the grinding process is eliminated and allows any leaks to go



back into the Drum Filter. This arrangement provides a very clean installation and at the same time returns all of the regrind material, including the dust and fines collected from the continuously clean filter, back to the process. In the event these fines

need to be removed, they can be diverted to a cyclone/rotary air lock arrangement. 🌐

SAP Dosing—New Directions

by Dave Colburn and Natalie Trawick

The abundance of super-absorbent polymers available in the marketplace has challenged Osprey to learn a great deal about the effects of the various super-absorbents on the Osprey SAP Dosing—New Directions. We have conducted extensive testing with different screw sizes on various brands of polymer in the last few years. The relevant variables in determining the most efficient screw size are: production line speed, amount of polymer to be applied, and the brand of polymer being used. Standard screw sizes will provide an output range for combinations requiring a quantity of two to ten grams per unit with a

production line speed of 100-400 pieces per minute. When there is more than one application with varying outputs and line speeds, we select a screw size that will fit all of the specified ranges. If this is not possible, we will recommend using two different screws and changing the screw for each application. A screw can be changed in the SAP Dosing—New Directions in about half an hour and is not a difficult process.

We test the SAP at rpm ranges from 100 to 400 at intervals of 50 rpm. Screw output is optimum with minimum pulsing (at low speeds) and no packing of

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EDI—New Parts Ordering System

by John Linehan

Osprey has now implemented Electronic Data Interchange, commonly referred to as EDI. For Osprey customers who also have EDI, this system will enable us to handle customer parts orders more quickly and more efficiently. EDI can help improve inventory management and facilitate better planning.

EDI enables us to handle requests for quotations for parts more quickly, as well as customer inquiries. If your company has EDI or is interested in EDI, please contact John Linehan in the Customer Service/Parts Department. 800-235-3167. 🌐

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SAP Dosing—New Directions

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the screw (at high speeds) at 50 percent to 80 percent speed of the screw. Whenever possible we try to size the screw to the specified output range within this area of performance. From customer and technician feedback on actual production lines, we have found the SAP Dosing New Directions to be accurate to within five percent of expected output.

While we continue to offer our standard SAP Dosing—New Directions, we are experimenting with some different approaches to SAP introduction. One approach involves a new wheel in the OVP-2 fan which introduces SAP directly, rather than using a Venturi. This unit will also feature a No SAP flow detector. We are also near completion in the development of a new style feeder. This feeder will be available in two basic units: a Volumetric System and a Loss-in-Weight System. The principle behind the Volumetric Feeder System is the use of a mass flow bin to provide the "live base" discharger/feeder with a uniform supply of material. This is a vibratory feeder which features no moving parts and offers a more uniform discharge than conventional screw or belt feeders.

The Loss-in-Weight System is provided with load cells and a state-of-the-art microprocessor with weigh feed back control. This feature allows for a more accurate output rate as well as additional outputs to monitor the system and auto-feed the hopper from a remote bulk unloader. The new systems do not have intermittent capability at this time. For additional information contact Osprey Sales. 

What's New


by Marty Price, Product Development

Air Bandit, also called an "Air Scavenger;" a device for siphoning off transport air in a material handling duct just prior to a receiver, filter, cutter, separator, etc. Obvious uses for the "Bandit" include Trim systems (mounted just prior to a cutter or granulator), Scrap Collection Systems (where the transport air is too great for the receiver), and placement on the inlet of an Osprey Volumetric Feeder (to take away transport air surges).

New Vertical Hopper Discharge Roll Assembly for much improved on/off control, fiberization of the discharged fiber, and better metering. Assembly is retrofittable to older Osprey VH-24 and VH-2448 Vertical Hoppers.

New Dust Measuring Equipment for field surveys—contact Dave Colburn at Osprey for further details.

New expanded line of continuous Trim Ejectors for plastics, textiles, paper, etc.

If you have a problem with unusual material or fiber handling, contact Marty Price or Barry Rudd at our Product Development Center or Steve Smith or Jeff Orwig at our main Plant. To schedule a visit and/or demonstration at the Product Development Center please contact Phyllis Lockeridge. 

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