

LEADER of the pack



**JOHNSON
PACKINGS**
& INDUSTRIAL PRODUCTS, INC.

Success Story:

Cryogenic Processing Proves to be Excellent Investment for Power Generation Plant

At the beginning of the year 2000, American Ref-Fuel Company of SEMASS, L.P., a waste-to-energy plant in Rochester, Massachusetts, decided to have some quench tank sprockets cryogenically processed. These parts are located at the head and tail ends of a conveyor that carries the ash that is a byproduct of the burning process. At that time, Ref-Fuel's SEMASS plant was having to replace the sprockets after about six months of use. They hoped that cryo processing would significantly increase the service life of the sprockets.

Now, more than two years later, those original cryogenically processed sprockets are still going strong. At this point, their life span has already increased by approximately 250%. The

Please see "Ref-Fuel of SEMASS...", page 2



Licensing Agreement with Cryocon Ensures Johnson Packings' Continued Success in Cryogenic Processing

Johnson Packings recently signed a licensing agreement with Cryocon, Inc. that will support our continued growth in the field of Cryogenic Technology. Johnson Packings has been cryogenically treating drill bits, molds, dies, end mills, pump parts, taps, industrial knives, and blades. Brice Craven, our President, said, "The continuing success of Cryogenic Technology and customer demand for increasing Mean Time Between

Please see "Cryocon Agreement", page 3

Fall Reminder:

Tekleen® Self-Cleaning Filters Solve the Problem of Dirty Water in Your Intake System

Every fall, many companies whose intake water comes from a river have difficulties trying to deal with dirty water. If yours is such a company, Johnson Packings can help you clean up your dirty water problem with Tekleen® Self-Cleaning Filters. These fully automatic filters are virtually maintenance-free. Call Johnson Packings now to save time and money with the right Tekleen® filter for your application.



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Featured Products: Design•Fab Dampers & Expansion Joints

Design•Fab, Inc. has been designing and fabricating quality industrial flue duct expansion joints and flow control dampers for 20 years. These quality products are now available from Johnson Packings.

Design•Fab's dampers have a "zero-leakage" design, which means that, with their blades closed and their air seal system activated, they create a "man-safe" environment downstream in the ducting system. The Louver Damper shown at far right is designed to modulate the gas flow in the thermal oxidizer of a hot water system. This opposed blade damper has a leakage rated flow of only 3% and can be used at temperatures of up to 1,275°F.

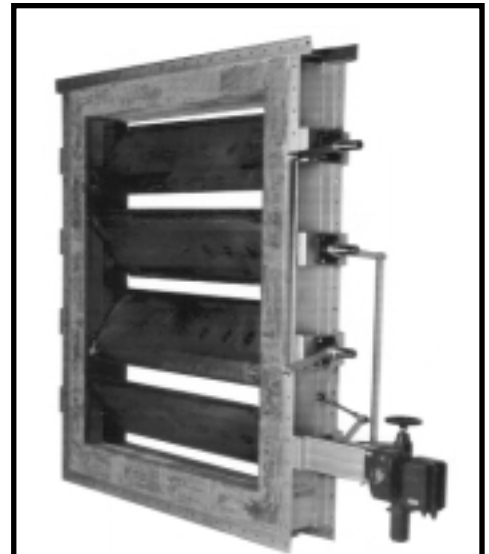
DFI-6000 Series Expansion Joints are Design•Fab's answer for

applications where easy joint installation and belt removal or replacement are important. Installation of these high-temperature expansion joints is a simple procedure. Their formed flanges are factory-punched, so the installation crew has only to align these holes with those of the companion flanges and bolt up. The nuts and bolts are readily accessible for quick final tightening. The belt is held by nuts and bolts that are set up and away from any system components that could interfere with wrench maneuverability.

Johnson Packings and Design•Fab are ready to meet all your damper and expansion joint needs. Contact your sales rep to discuss your application.



Design•Fab's DFI-6000 Series Expansion Joints allow for easy belt replacement



Louver Damper

Application: Hot Water System - Thermal Oxidizer

Function: Gas Flow Modulation

Actuator: Electric, 1/4 turn, Modulating, 4 - 20ma Input

Specifications:

- Size: 60" x 75" Inside Refractory
- Design Temp.: 1275° F Max.
- Construction:
 - Type A-36 Carbon Steel Frame
 - Type 309 Stainless Steel Blades
 - Shaft & Seals
 - 6" Castable Refractory Lining
 - Graphite Bearings
- Leakage: 3% Rated Flow

Visit our new Web site!
www.johnsonpackings.com



Ref-Fuel of SEMASS – Success Story

Continued from page 1...

staff at this plant, one of several Ref-Fuel locations, is so pleased that they have had two more sprocket sets treated with the process. Joe Keenan, Mechanical Maintenance Supervisor, says, "Cryo processing has generated savings on both labor and sprocket replacement costs for us. We estimate that, in the two years since we began having our sprockets treated, we have saved about \$17,000. This treatment has proved to be a very cost-effective investment."

We at Johnson Packings would be happy to help your company realize significant savings with cryo processing, too. Call us to discuss your proposed application.

If this article has piqued your interest, mention it and receive a 10% discount on your next cryogenic processing order.

Cryocon Agreement Continued from page 1...

Failure on wear components made it imperative to expand our technical knowledge. After an extensive search, we found Cryocon to be the only firm that could offer us the scientific and metallurgical resources to support our continued growth. We wanted to establish a formal relationship.”

Cryocon, Inc. is a publicly traded company, based in Ogden, Utah, that specializes in solving wear and durability issues through material transformation engineering, which includes its



process of Deep Cryogenic Tempering (DCT). DCT is a computer-controlled process that significantly improves wear and performance characteristics of many types of metal, alloys, and synthetic materials. Treated items show dramatic increases in wear-resistance, toughness, machinability, and thermal and dimensional stability.

To find out more about the benefits of Cryogenic Processing, contact your Territory Manager or call Customer Service today!

Garlock's CEFIL'AIR Seals Expand and Contract to Provide Secure Fit

CEFIL'AIR Pneumatic Seals are the most effective way to provide a secure, reliable seal between surfaces which move in relation to one another. Their patented design and the advanced elastomers from which they are constructed make them ideal for a wide range of sealing, handling, and holding applications.

CEFIL'AIR Seals are either molded or manufactured from extruded profiles that are joined by a molded joint. This type of joint provides a high degree of flexibility and ensures uniform wall thickness, while restricting stress at the joint. These seals are designed to be fitted into grooves, and they maintain the seal by expanding and contracting with the pressurization and deflation of the gasket within the groove.

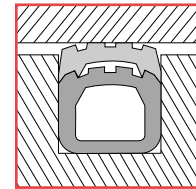
Garlock offers two standard profiles, the HP (high pressure) and LP (low pressure), diagrams above. Other profiles are also available.

With the ability to withstand temperatures from -148°F (-100°C) to +482°F (+250°C), CEFIL'AIR Seals are reliable at pressures from 7 to 150 psi (0.5 to 10.4 bar) in a variety of liquid or gaseous media. They are successfully used throughout many industries, including aerospace, pulp/paper, pharmaceutical, chemical processing, medical, transportation, food processing, and marine.

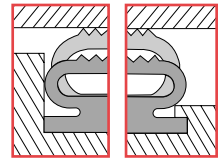
Contact Johnson Packings for assistance in determining the exact groove and gap dimensions critical to your application.



CEFIL'AIR Seals



HP – high pressure



GROOVE MOUNT

FOOT MOUNT

LP – low pressure

24-Hour Emergency Service

1-800-356-0061

At Johnson Packings, Customer Service is our #1 Priority



Johnson Packings is a Proud Supporter of Youth Sports in Maine

A Little League baseball team and a girls' basketball team have made us at Johnson Packings very proud to be one of their sponsors.

This year, Johnson Packings purchased an advertising sign displayed at the Bucksport, Maine, Little League field. The town's 9- and 10-year-old All Stars advanced to play in post-season games this year. Although a young team, the All Stars played well together and brought home a second-place tournament trophy.

Great teamwork, boys!

The Maine Flames girls' basketball team was able to compete in the Youth Basketball of America National Tournament in Florida. The girls, ages 12 and under, were undefeated during the State of Maine Basketball Tournament. They traveled to Florida in July and finished tied for 9th in the country, with a 6 and 2 record.

Congratulations, girls!



The Bucksport All Stars, pictured left to right, front row - Ryan Bailey, Cody Farrell, Timmy Nason, Cody Davis, Zack Hall; middle row - Tim Cluney, Jay LaBretton, Alex Giosia, Isaac Redman, Evan Eldridge; back row - Coaches Chris Bailey, Vance Eldridge, Keith Nason and Larry Hall.



The Maine Flames team includes, left to right, front row - Jill Smith, Ashley Busque, Jackie Rice, Cassie Cooper, Christina Aceto, Amanda Barker; back row - Coach Bruce Cooper, Brittaney Duncan, Lauren Gorham, Chelsea Barker, Gwen Duren and Coach Maureen Cooper.

**Visit Johnson Packings at
the International
Maintenance Institute
"Table Top" Show**

**Chateau Provost, Chicopee, MA
November 8**

Words of Wisdom

"We've learned that a focus on quality is one of the best ways to control cost."

— Carleton Fiorina, CEO, Hewlett Packard

Spotlight on Personnel:

Introducing Our New Controller, Paul O'Melia



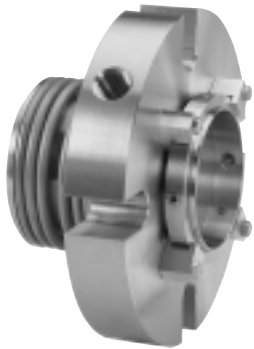
On July 8, 2002, we welcomed Paul O'Melia as the new Controller at Johnson Packings. Before joining us, Paul was with Windsor-Stevens, Inc., a specialty paper manufacturer in Poquonock, Connecticut, for 17 years. His financial background, coupled with his experience in the paper industry, will be an asset to our organization. We are sure Paul will contribute a great deal to Johnson Packings. Paul lives in East Longmeadow, Massachusetts, with his wife, Nancy, and daughters Kelly and Jill.

With the Flex-A-Seal Line, Johnson Packings Can Provide Mechanical Seals for the Most Demanding Applications

The Flex-A-Seal family of Cartridge Seals includes many styles to meet the requirements of all types of industrial applications.

Style 57, below, is a Rotating Single Spring Cartridge which is virtually uncloggable. Its advantages include rugged, straightforward construction and a heavy-duty single spring that won't fatigue. It is part of Flex-A-Seal's

Integrated Cartridge System, with a full selection of cartridge styles and interchangeable glands, sleeves, clips, faces, rotaries, seats, O-rings, and fasteners.



Style 57

For critical, toxic or fugitive emission applications, where single seals are not acceptable, Flex-A-Seal offers a line of Dual Cartridge Seals, such as Style 79, shown above. This is a Stationary Tandem Multi Spring Cartridge that is designed to maintain product and barrier fluid on the O.D. of both seals for increased safety and heat dissipation.

Other types of Flex-A-Seal Mechanical Seals available from Johnson Packings include the Wet End SC Seal. This Single Cartridge Slurry Seal is easy to install and features a hydraulically balanced design for high reliability.

Whatever your mechanical sealing challenge is, chances are Johnson Packings has a Flex-A-Seal solution.



Style 79

Style 57 – Rotating Single Spring Cartridge

- An Integrated Cartridge System design.
- Easy cartridge installation.
- Non-clogging. The high-strength single spring design minimizes any potential clogging in slurries, wastewater, and the like.
- Economical repair kits for in-field service.
- Converts easily to a Style 50 seal with welded metal bellows.
- Universal gland designs fit all ANSI pumps.

Style 79 – Stationary Tandem Multi Spring Cartridge

- Cartridges for the critical, toxic, and fugitive emission applications where single seals are not acceptable.
- Easy-to-install cartridge designs.
- Tandem arrangement allows for maximum safety.
- Can be operated with pressurized or nonpressurized barrier fluid systems.
- Pumping ring and tangential connections maximize barrier fluid flow.
- Features protected stationary springs, withstands high pressure, and provides excessive runout capabilities.
- Can be designed to handle pressure fluctuations without face separation.
- Designed for API plan 52 & 53.