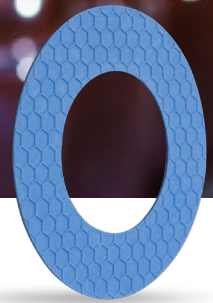


# Case Study: GYLON EPIX™ 3504 - Food and Beverage



## INDUSTRY

Food and Beverage

## CUSTOMER

Dietary Supplement Beverage Company

## BACKGROUND

This dietary supplement beverage company makes well-known dietary supplement drinks at their plant in the north east using a steam retort to sterilize in batches after bottling.

## CHALLENGES FACED

The end user manufactures nutritional supplements using a steam retort to sterilize in batches after bottling. They were experiencing loss of load on the trunnion doors that allow access to the bearings for maintenance and replacement. This resulted in leaks and gaskets being pulled into the process, due to high vacuum during the heating phase. The end-user had previously used a competitor's skived, glass-filled PTFE material and had been experiencing gasket failure every three to four weeks.

## OPERATING CONDITIONS

Size - 8" W X 24" L IDS 15" W X 30" L

Temperature - 230°F - 250°F (110°C - 121°C)

Application - Trunnion access door on retort sterilizer

Media - Saturated Steam

Pressure - 5-15 psi

## SOLUTION AND BENEFITS

Garlock recommended GYLON EPIX™ Style 3504 EPX in conjunction with new lubricated bolts. The customer purchased two gaskets for a test and the gaskets lasted for a full eight-week maintenance cycle with no issues. Since GYLON® Style 3504 was already on the plant specs, no materials of construction were required when the plant switched to GYLON EPIX™.

For more information, please visit:  
<http://www.garlock.com>

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an EnPro Industries family of companies

Tel: 1-877-GARLOCK / 315.597.4811

Fax: 800.543.0598 / 315.597.3216

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