

# Case Study: Custom 204 EPS w/ an EPDM Tube & Cover - Pulp & Paper



## INDUSTRY

Pulp & Paper

## CUSTOMER

Paper Company

## BACKGROUND

The customer invested over \$300 million dollars to convert a production line making uncoated copy paper to high quality whitetop and kraft linerboard, as well as containerboard. Part of this large investment required expansion joints on their primary fan pump discharge flange and the primary screen inlet flange.

## CHALLENGES FACED

Due to extreme pressure, application demands which can include aggressive media and non-standard pipe flange design, a customized solution needed to ensure optimal sealing.

## OPERATING CONDITION

Size: 31.375" ID & 37.375" ID

Temperature: 150°F (65°C)

Application: primary fan pump discharge flange and the primary screen inlet flange

Media: Water / paper stock mixture with periodic chemical cleanings performed on the system with a Ph range of 2.2 to 12.5

## SOLUTION AND BENEFITS

Garlock was able to customize a style 204 EPS (Extreme Pressure Service) with an EPDM tube and cover to ensure compatibility with the paper stock, water and caustic wash as well as meet pressure and abrasion demands.

The expansion joints supplied were completely designed and engineered for the paper mill's application to provide ease of installation and an extended service life.

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

## GARLOCK

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