

# CASE STUDY: Custom gaskets are easy to install and maintain



MATERIAL:  
S235

INDUSTRY:  
Food & Beverage

CUSTOMER:  
Drinking beverage  
company

## INDUSTRY CHALLENGES

Breweries have streamlined and modernized the brewing process by the use of large vats, chillers, and transfer pipes. Pipe connections in the system are traditionally glue or seals that degrade and leak, causing the need to frequently clean, repair and replace.

## BACKGROUND

The customer is one of the oldest breweries in Norway and produces a variety of beers, ciders, spirits and non-alcoholic beverages. Even though the customer has been in production for over 180 years, the facility is highly modern and one of the key players among domestic Norwegian beer producers. As part of its modernization, the customer previously used Teflon and Metaflex gaskets but this requires additional maintenance, not only cleaning the flanges but also regularly tightening the bolts to avoid leakage. The brewery requires seals that are tight and easy to maintain.

## OPERATIONAL CONDITIONS

PRESSURE: PN10-40	ATMOSPHERIC CONDITIONS: Ambient Inside
TEMPERATURE: Ambient to 120°C	MEDIA (PRODUCT): Drinking beverages
SIZE: DN20-150	MEDIA (CLEANING): Steam

## SOLUTIONS

The brewery switched to the DeltaV-Seal™ because the custom metal-to-metal design saves the company time: no re-torquing of the bolts or cleaning of the flanges is required, and the single-metal makeup of the gasket means a durable and tight seal.

## BENEFITS

The engineers working for the customer now prefer to use the DeltaV-Seal because of the easy installation process and economic benefits of not having to machine the flange face each time there is residue build-up. The DeltaV-Seal has been installed on all of the old and damaged flanges within the customer's facility where previous gaskets had leaks. Since using Pipeotech's DeltaV-Seal there have been no leakages reported.

**PIPEOTECH**

[www.pipeotech.com](http://www.pipeotech.com)

+47 371 63 000

[hello@pipeotech.com](mailto:hello@pipeotech.com)