



## FOOD AND BEVERAGE SEALS WITH DICHTOMATIK

Seals face a multitude of tests in the manufacture of foods and beverages. At the same time, hygiene and cleanliness are always a top priority. In breweries, seals have to withstand wort, beerstone and the essential oils of hops. In dairies, they have to withstand fatty and protein-containing products long-term. Seals used in ice cream production cope with extreme temperature fluctuations such as below freezing product and high temperature cleaning agents.

DICHTOMATIK has developed a line of seals and materials specifically for demanding food and beverage applications.





# FOOD AND BEVERAGE SEALS

## CLAMP SEALS

Clamp seals make fast and secure flange connections in continuously operating equipment such as:

- Tanks
- Fermenters
- Filters
- Heat Exchangers

Many other types of equipment coming into direct contact with food and beverages can also utilize clamp seals. Due to their symmetrical geometry, the clamp connections can be mounted and re-separated very easily.

DICHTOMATIK Americas has developed a portfolio of materials to meet the special demands required with the food and beverage industry as well as maintain hygienic and safety standards during the manufacturing process.

### Available Materials & Certifications:

- EPDM
- NBR/Buna
- FKM/Viton®
- VMQ/Silicone
- PTFE/Teflon®
- 3A 18-03
- FDA Compliant

Need something more specialized? DICHTOMATIK also employs a team of highly-experienced sealing engineering experts. They can look at the design challenges you're facing and create custom solutions for use in your application. **Contact us today to get started.**

## COMMON INDUSTRIES

- Dairy Products
- Breweries
- Distilleries
- Wineries
- Bakeries
- Produce & Meat Processing

## O-RINGS FOR THE PROCESS INDUSTRY

DICHTOMATIK Americas is able to provide O-Rings in many compounds that are 3A and FDA compliant.

### Metal Detectable O-Rings

Metal detectable O-Rings are made from custom formulated compounds designed to be caught by metal detection sensors that ensure product purity and prevent contamination.

Available Materials:

- Yellow EPDM
- Green NBR/Buna
- Blue FKM/Viton®
- Orange VMQ/Silicone

### Teflon® O-Rings

PTFE is well known for its heat-resistant properties, and this carries over to the line of PTFE O-Rings we carry. These offer numerous advantages in industrial environments involving corrosive and abrasive liquids, including:

- High resistance to a wide variety of chemicals
- Wide temperature operating range
- Suitability for high-pressure environments
- Non-stick properties prevent any damage to surrounding parts
- High compression resistance and sustaining high performance

### Teflon® Encapsulated O-Rings

Our PTFE O-Rings avoid many of the problems associated with typical PTFE-based seals by including a separate core of different materials and energizing the seal. Known in the industry as Teflon® Encapsulated O-Rings, DICHTOMATIK carries stock on core materials such as FKM and Silicone in AS568 sizes.

The information contained herein is believed to be reliable, but no representation, guarantees or warranties of any kind are made to its accuracy or suitability for any purpose. The information presented herein is based on laboratory testing and does not necessarily indicate end product performance. Full scale testing and end product performance are the responsibility of the user.

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