

Food & Beverage Sealing Solutions

for guaranteed compliance to the most stringent hygiene standards



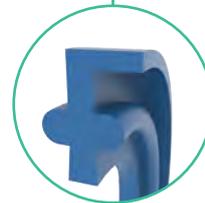
O-Rings



Hydraulic Seals



Bespoke Machined
Seals



Tri-Clamps



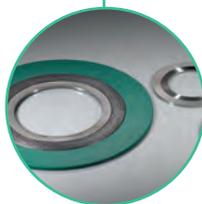
Sanitary Seals



Rotary Seals



Spring Energised
Seals



Gaskets



Mechanical Seals



PTFE Seals

High-performance sealing solutions, designed for safety, hygiene and reliability in the food and beverage industry.

In food and beverage processing, sealing solutions play a critical role in product safety, equipment reliability and regulatory compliance. We provide high-performance seals designed to meet the strict hygiene, temperature and chemical demands of modern food production.



FOOD-GRADE MATERIALS

EPDM

- Excellent resistance to hot water and steam
- Common in CIP/SIP systems

Silicone (VMQ)

- Odourless, tasteless and highly flexible
- Ideal for high-temperature applications

Nitrile (NBR)

- Good resistance to oils and fats
- Widely used in dairy and beverage processing

FKM (Viton®)

- Superior chemical and temperature resistance
- Suitable for aggressive cleaning agents

PTFE

- Chemically inert and non-stick
- Excellent for valves, seats and hygienic applications

Metal & Metal-Detectable Materials

- Enhanced safety in critical processing zones
- Easily detected by inspection systems

TYPICAL APPLICATIONS

- Pumps and mixers
- Valves and manifolds
- Fillers and bottling lines
- Heat exchangers
- Pipe connections and flanges
- CIP/SIP systems

CASE STUDY: FOOD COMPLIANT SEALS

A high-profile food manufacturer sought a new seal supplier to replace their OEM due to cost, delivery delays, Halal suitability and insufficient certification. The new seals were required to:

- Be certified for operation up to OM5 (100°C)
- Withstand high salt content
- Match OEM design and functionality
- Comply with Halal standards

The selected polyurethane already met EC1935:2004 and, working with our material supplier, was successfully tested to OM5 (100°C). It was also validated in saline testing at our facility for high salt applications. All materials were ADI Free, meeting Halal requirements. The seals were reverse engineered, and samples supplied for a three-month trial, which passed successfully and led to further orders.

COMPLIANCE & STANDARDS

Our sealing solutions can be supplied to meet:

- FDA 21 CFR
- EU 1935/2004
- USP Class VI
- 3-A Sanitary Standards
- EHEDG guidelines

