



DURLON®

SEALING SOLUTIONS

manufactured by Triangle Fluid Controls Ltd.

Durlon® Products Used

Durlon® 9000

Durlon® Joint Sealant

End-User Industry

Food & Beverage Processing

OPERATING CONDITIONS

Media

Chocolate

Pressure

1.72 bar (25 psi)

Temperature

70°C to 80°C
(158°F to 176°F)

Special Requirements

- Food & Drug Administration (FDA) compliant
- Must be able to withstand tank conditions and maintenance cleaning cycle

End-User Description

One of North-America's largest chocolate suppliers that strives to provide its' customers with the highest quality products. To accomplish this, they have wisely invested in superior processing technology to perfect their craft. The end-user supplies North America's confectionery, baking, dairy, pharmaceutical and cosmetic industries.

Challenges Faced

Although, top-of-the-line technology is in use in this particular plant, no machinery is completely infallible to breakdowns. European-made chocolate holding tanks were purchased with red-rubber gaskets to seal the tank doors, as well as inside the holding tanks. Initially the rubber gaskets worked but in time fell apart and needed to be replaced. Recognizing the limitations of red rubber gaskets, the end-user decided to find something more durable, that could withstand a frequent cleaning cycle. Contacting the European tank manufacturers for a solution would be both costly and time-consuming and large companies in high demand can afford very little downtime, so a quick solution was needed. The maintenance manager decided to source a solution much closer to home but any domestic

sealing products would still need to comply with strict FDA standards.

Solutions & Benefits

Although red rubber gaskets are FDA compliant and found in many sanitary applications involving contact with food, drugs and potable water, they break down over time. The customers reached out to Triangle Fluid Controls Ltd. (TFC), manufacturer of Durlon® sealing products for a swift solution. Durlon® 9000 PTFE gaskets replaced the red rubber as a more durable and high-performing sealing solution. Durlon® 9000 is an FDA compliant gasket material also used in the food and beverage, pharmaceutical and other processing industries. The end-users were pleased with the level of support and service they received from the customer service and technical teams. Durlon® 9000 has proven itself to be a high-performance solution, allowing for frequent maintenance on the tanks in which they are used. In addition to solving the end-user issues, TFC was able to supply the company with Durlon® Joint Sealant to use as a temporary and cost effective solution when periodically opening the tank doors for visual inspections and routine cleaning.