

Customer : GE Industrial Solutions, GE Power Protection Group
 Product group : O-rings
 Market : Machinery and equipment construction
 Application : Kalrez® Spectrum™ 6375 O-ring
 Savings : € 21,664 PA

ERIKS SUPPLIES O-RINGS AND SAVES GE POWER PROTECTION TIME, ENERGY AND COSTS

Kalrez® Spectrum™ 6375 O-ring



CUSTOMER PROFILE

GE Industrial Solutions is a European market leader in the manufacture of low and medium voltage products, such as distribution boxes and metering cabinets, modular components, industrial switching and protection components, automation and control components, cabinets and distribution boards for industrial applications. The need for these products primarily comes from wholesalers, technical installers, printed circuit board developers, OEMs and utility companies throughout the world.

CHALLENGE

The customer was forced to replace the fluoroelastomer (FKM) seals every six months. Each time that the seals started leaking, production had to be halted for at least 2 days. Maintenance costs were very high.

Another problem was that every unplanned stop affected production scheduling and delivery schedules. The customer's high-technology plastic forming process uses steam at very high temperatures to heat up the mould. At this temperature, the steam is very aggressive and has a drastic effect on the FKM O-rings. This causes the number of vulcanised joints to significantly decrease. The seal surfaces become brittle and when bent or compressed will fracture as a result of which sealing capacity drastically declines.

SOLUTION

The Kalrez® O-rings supplied by ERIKS have resulted in increased operating reliability because the performance of the elastomeric materials is critical to improving the seal's working life. With the new O-rings, the maintenance interval has increased by a factor of four. The customer currently has replaced all critical O-rings with Kalrez® Spectrum™ 6375 O-rings.

SAVINGS

■ € 21,664 PA

OTHER BENEFITS

- Reduced maintenance needs
- Increased efficiency