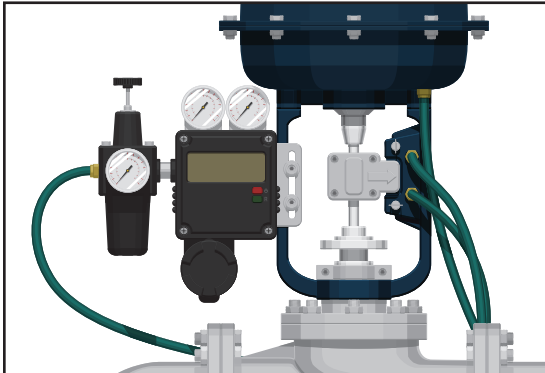


Challenge

Background

A pressure relief valve manufacturer faced significant supply chain challenges with their previous spring energized seal (SES) supplier.

Lead times exceeded 7 weeks, and high minimum order quantities of 1,000 seals forced excess inventory holding. Poor technical support further complicated their operations, leading to delayed shipments and increased costs.



Pilot Operated Relief Valve (PORV).

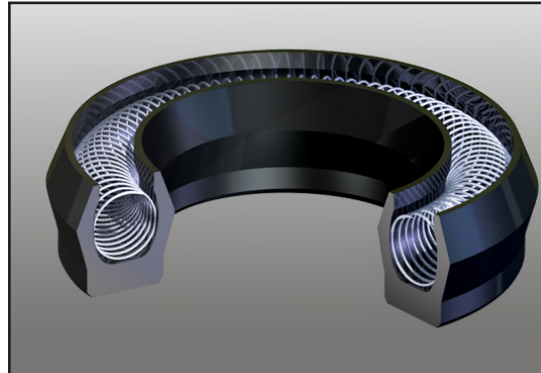
Solution

Product

Chesterton® Elliptical Coil Spring Energized Seals (SES) 200 Series were implemented. The AWC540 graphite-filled PTFE jacket used provided enhanced wear resistance and chemical compatibility. Key features:

- Uniform load distribution from the elliptical coil design
- Enhanced thermal stability
- Unidirectional design for back pressure release
- High-pressure operational capability (150 psi in this case)

Support included field training and access to Chesterton University for the customer's engineering team.



Chesterton SES 200.

Results

Reduced Lead Time, Greater Cost Savings

Lead time for the customer was reduced from 7 weeks to 4 weeks with no minimum order requirements, saving over \$1,000 in inventory costs. The solution generated \$77,000 in new business and opened opportunities for full product line integration exceeding \$100,000 in potential value.

The customer has switched to Chesterton SES 200 seals across their applications, benefiting from improved inventory management and consistent technical support.

\$ = USD



Chesterton SpeedSeal Equipment.