



## Enhanced Seal Performance in a Resin Pump

Our customer had a problem with the springs coming out of the jackets on their PTFE spring energised seals which were being used in a resin pump.

### SOLUTION

Working with our technical manager, we proposed a dual retention lip on the jacket and added a scraper lip on the dynamic sealing lip. By doing this we enhanced the seal performance.

### RESULT

Our customer was so satisfied with the results that they placed call off orders for this part and now have us working on several other parts/projects.

### SEAL PROFILE

The SB19 seal is primarily intended for dynamic applications where reciprocating movement is present but can also be used in static applications where large gland tolerances exist or where there is a need for higher deflection due to expansion caused by high pressure duty. The seal consists of a U-shaped jacket and a cantilever spring both of which can be tailored to suit both high-temperature and conditions where good chemical compatibility is required.

The design of the cantilever spring places the spring load at the front of the sealing lip making it a good option should a scraper lip be required for abrasive media sealing.

It is designed for non-standard groove sizes in repair situations.

Pressure Max: 400 bar  
Temperature Min: -200 °C    Max: 260 °C  
Speed Max: 15 m/s