

**James Walker**

**Unilion**<sup>®</sup>

**Product success:** Unilion stem seal in API high pressure ball valve

To combat application conditions and protect the seal against any housing dilation or increases in extrusion gaps as a result of high pressure, PEEK double conical back-up rings were recommended by the technical team at James Walker to ensure the long-term performance of the seal.



- Application: Double tandem ball valve
- Operating conditions: Static / intermittent dynamic
- Temperature: -66° to +160°C
- Pressure: 690 bar
- Media: Gas
- Unilion<sup>®</sup> profile: J01
- Material: Fluolion<sup>®</sup> 22
- Spring: Helicoil double wrapped, Cobalt Chromium-Nickel alloy
- Back pressure: Yes
- Back up ring: Double conical PEEK