

James Walker

Unilion[®]

Product success: Unilion specified for 3" class 600 cryogenic ball valve

The customer previously experienced inconsistencies in performance with their existing seal configuration. The James Walker technical team recommended moving to modified PTFE (Fluolion[®] 22) material with a modified lip design validated through cryogenic testing to provide consistent and reliable performance.



- Application: Cryogenic trunnion ball valve
- Operating conditions: Static / intermittent dynamic
- Temperature: -196°C to ambient
- Pressure: 22 bar
- Media: Nitrogen
- Unilion[®] profile: J01 asymmetrical lip profile
- Material: Fluolion[®] 22
- Spring: Heat treated and double wrapped, cobalt alloy
- Groove dimensions: 73.17 x 62.27 x 6.25 mm