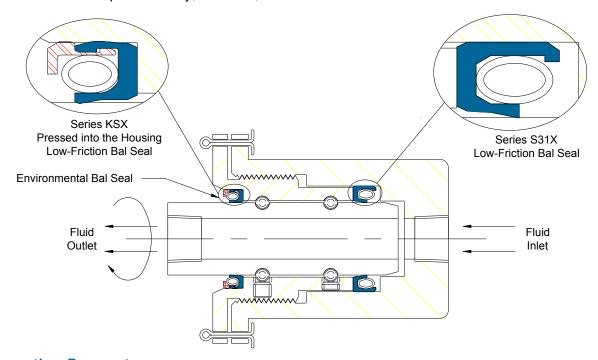


BAL SEAL® SEALS IN SWIVEL JOINTS

Swivel joints join sections of liquid-carrying lines that are moved and rotated from one position to another. A tanker truck pipeline is an example of a swivel joint application. These devices are available in basic styles for a 360° -rotation in one, two, or three planes of motion.

The swivel joint consists of a stationary housing and an internal rotary member. Between the housing and rotary member is an inner sleeve, which contains two circular grooves that house a series of balls that permit rotary, not axial, motion.



Operating Parameters

Pressure: Vacuum to 15 psi (1.1 kg/cm²)
Temperature: -70 °F to 250 °F (-57 °C to 121 °C)

Velocity: 2 rpm

Media: Corrosive fluids

Additional: Chemical compatibility and low friction

Seal Selection: KSX and S31X

Features:

- Bal Seal® series KSX selected for its excellent metal locking ring retention system
- Bal Seal series S31X selected for complete gland retention
- Low-friction seal design keeps minimal frictional torque on the shaft
- Chemically compatible with various fluids
- Excellent wear-resistant, filled PTFE seal materials operate unlubricated
- Bal Spring® canted coil spring energizer provides near-constant force for long seal life

For more information and technical assistance, contact a technical sales representative.