

INNER SHOE

Primary Mechanical Shoe Seal For Internal Floating Roof Tanks

Engineered primary sealing solutions designed for internal floating roof tanks, delivering reliable shell contact, excellent working range, and long-term sealing performance.

The Inner Shoe primary mechanical shoe seal combines robust stainless steel construction with a flexible uni-pivot support system, providing dependable operation across varying rim gaps and tank conditions.

Overview

The **Inner Shoe Primary Mechanical Shoe Seal** is designed to provide effective primary sealing performance for internal floating roof tanks. Installed between the floating roof and tank shell, the system maintains continuous shell contact to support reliable vapor control and operational efficiency.

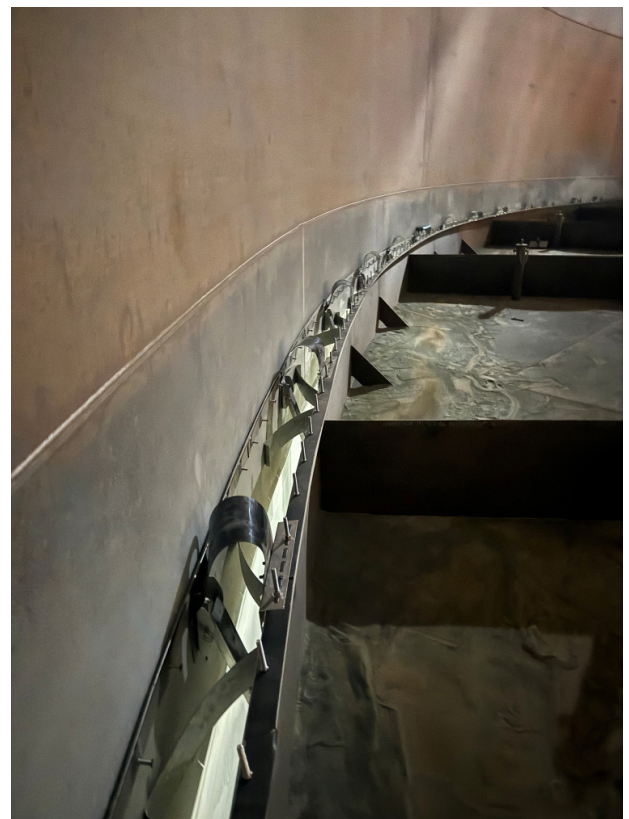
Constructed using durable stainless steel components, the Inner Shoe seal delivers excellent flexibility and working range while accommodating varying rim gaps and tank shell irregularities. The system is suitable for both in-service and out-of-service installation.

Design & Construction

The Inner Shoe seal incorporates a uni-pivot shoe support mechanism engineered to provide flexibility, structural stability, and continuous shell contact under demanding operating conditions.

Key design features include:

- Uni-pivot shoe support mechanism provides enhanced flexibility and working range
- Hardened stainless steel compression elements maintain tight shell contact
- Designed to accommodate large rim gaps and shell irregularities
- Durable all-stainless steel construction supports long service life
- Suitable for both in-service and out-of-service installation

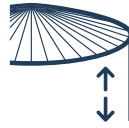


Key Benefits



Reliable Vapor Control

Maintains continuous contact with the tank shell for effective emissions control.



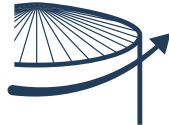
Excellent Working Range

Designed to accommodate varying rim gaps and shell conditions.



Durable Stainless Steel Construction

Robust components ensure long-term operational reliability.



Flexible Mechanical Design

Uni-pivot support configuration provides enhanced movement flexibility.



Installation Flexibility

Suitable for installation in-service or during scheduled maintenance.

Key Features

- Custom configuration for specific tank conditions
- Versatile design for efficient installation and reliable operation
- High-tensile stainless steel spring components
- Durable construction with excellent working range
- In-service or out-of-service installation capability
- Premium vapor barrier fabric options, including polyurethane and PTFE
- Ideal for retrofitting underperforming seal systems

Applications

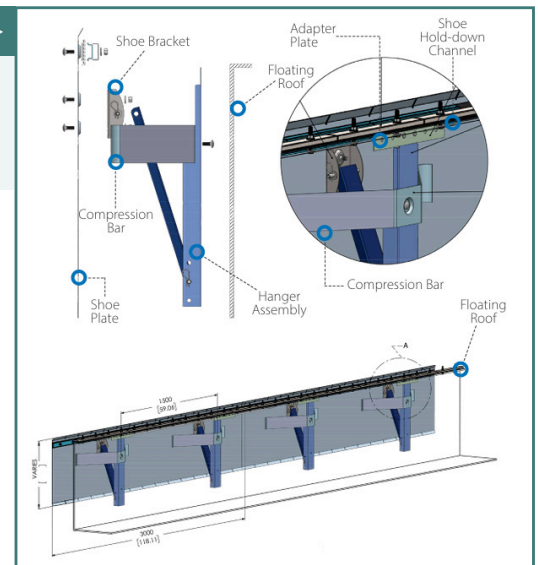
- Internal floating roof storage tanks
- Petroleum storage tanks
- Chemical storage facilities
- Tanks requiring emissions control compliance

Compliance & Standards

Designed to support compliance with EPA 40 CFR 60 and relevant local air quality regulations for internal floating roof applications.

Inner Shoe Seal System Components ▶

The uni-pivot mechanical shoe design maintains continuous shell contact while accommodating movement and variable operating conditions.



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About DirectTank

DirectTank Environmental Products supplies advanced sealing systems and emission control solutions for aboveground storage tanks. Backed by decades of industry expertise, DirectTank delivers reliable engineering solutions designed to improve environmental performance, operational safety, and long-term asset reliability.