

Floating Roof Storage Tank Seals

Primary Pantograph Tank Seal (PT1)

General Information:

The Pantograph Primary Seal PT1 is the most widely used seal on Floating Roof Tanks and has been used on large tanks storing virtually all Crude and Refined products.

Design Features:

The weighted pantograph system ensures that the sealing ring is held in constant contact with the tank shell.

The sealing ring is designed with flexures built into the sheets at intervals of approximately 550mm to ensure conformity with the tank shell and allow expansion and contraction.

The sealing ring extends into the product to ensure vapor retention and above the rim to ensure rainwater drains on to the Pontoon.

The space between the sealing ring and the roof is closed by a vapor-tight flexible continuous seal material.

The liquid filled tube forces the scuffband against the tank shell, maintaining a firm contact of approximately 200mm deep when the tank is in operation.

Shunts are used at intervals of 3 meters or less to maintain electrical continuity between the roof and the tank shell.

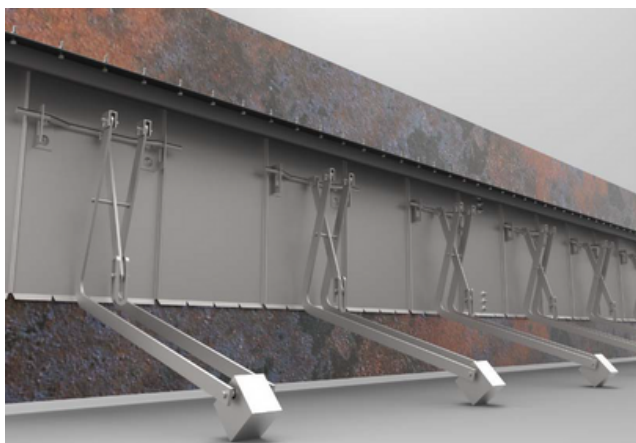
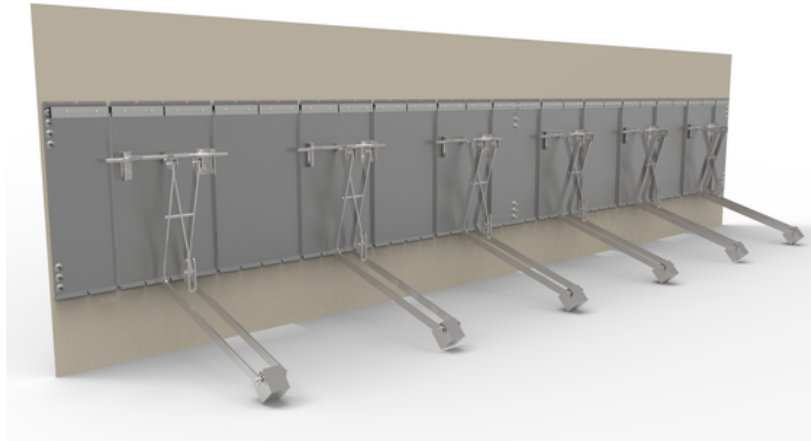
Accessories:

Secondary seals:

All our Secondary Seal designs can be used with the PT1 Primary Seal.

Wax scraper:

When waxy crude oils are being stored, special scraper devices can easily be attached to the sealing ring, details are shown on a separate data sheet.



Technical Data

Rim space: 200mm \pm 100mm (Standard).
However this can be modified for a larger nominal rim space

Aromatic resistance: 100%

Material Specification

Continuous seal: Teflon/Fiberglass, Calcium Silicate, Urethane, Polyurethane

Sealing ring: Galvanized / Stainless Steel

Other

Service life: 10-20 years

Typical weight: 45 kg per linear meter.