



GENERAL INFORMATION

The Pantograph Primary Seal is the most widely used seal on Floating Roof Tanks and has been used on large tanks ranging 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 550 mm. 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.

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

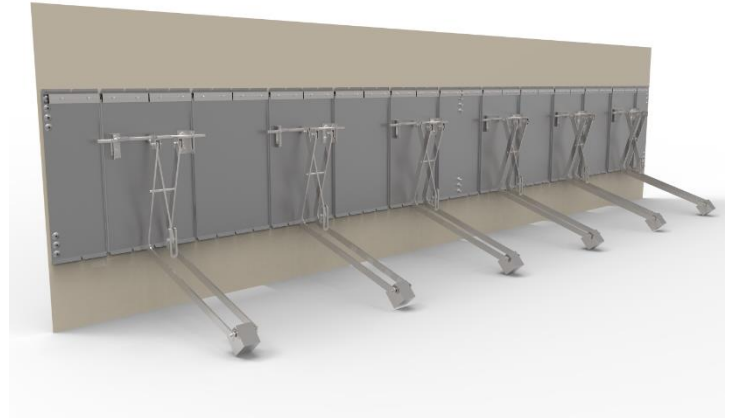
ACCESSORIES

Wax Scrapers: When waxy Crude Oils are being stored special wax scraper devices can easily be attached to the sealing ring, details are shown on a separate Data Sheet.

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

In the past Secondary Seals were attached to the top of the Sealing Ring. Whilst these are not now normally used on new tanks, spare parts can still be provided for refurbishment.

Old riveted tanks have sole plates fixed to the outside of the Sealing Ring to reduce wear and damage by the rivets.



TECHNICAL DATA

Rim Spaces: Normally 200 mm. $\pm$ 120 mm. is the standard but the seal design can be modified to suit larger nominal rim space.

Aromatic Service: 100%

MATERIAL SPECIFICATION

Continuous Seal: Teflon/Fiberglass, Calcium Silicate, Urethane, Polyurethane.

Sealing Ring: Galvanized / Stainless Steel

Service life: 10-20 years

Typical Weight: 45 kg per linear meter.