

PERSIAN GPE

Roof Seal Group

Primary Pantograph Type Mechanical Seal

Primary Foam Seal

Primary Liquid Filled Tube Seal

Primary Shoe Plate Spring Type Mechanical Seal

Primary Double Shoe Plate Spring Type Mechanical Seal

Primary and Secondary Mechanical Seal Master

Weather Shields

Secondary Wiper Seal



Primary Foam Seal

- Model No.: 5520
- Rim Space: 200 ±100mm



Application:

The GPE Foam Seal is a classic primary sealing system which was introduced to meet sealing concept basic requirements. The simple parts and proper performance of this sealing system caused this model to be the most common system within the industry during 1980-2000.

The space between the shell and the roof is closed by GPE specific composite foams. The foams are being wrapped by scuff band envelope and pushed firmly down to the rim space. The sealing pressure comes from tendency of compressed foams to reform to their initial uncompressed status while installed down to the rim space. The GPE tailor made UV resistant composite scuff band is durable in even the most aggressive services and corrosive products. The GPE specially manufactured foams are resistant to any corrosive products and keep their physical properties as long as they are kept dry. The steel parts are manufactured according to GPE specially engineered strict specifications to maximize longevity of the system.

The GPE foam seals are designed and sized to fit the specific tank and floating roof dimensions up to 110m and perform well in rim spaces ranging 200 ±100 mm.

This should be mentioned that due to roundness of the tank shell, accommodation of the foam and scuff band inside the rim space may cause appearance of some wrinkles on the surface of scuff band in some areas. These very tiny free spaces facilitate product vapor loss which should be taken into account in selection of sealing system.

Feature and Benefits:

- Wide application range: Accommodates variety of rim spaces and in different tank sizes.
- Even distribution of sealing pressure around the rim space to avoid any off centering of the floating roof.
- Each seal tailored to the tank: Each tank has its own variations in roundness and verticality. To provide the most effective sealing, in GPE we use varying length parts for varying rim spaces within a given tank.
- Excellent flexibility: Conforms well to local anomalies in shell roundness.
- Flame retardant composite materials.