



TS - 16 Servaseal Range Double Seal / 1,2,4

The Servaseal double seal from TankServ develops the concept of the compression plate secondary seal into a single unit combining the attributes of primary and secondary seals.

Commencing from a new tank, the seal may be fitted without extensive welding of clips or attachments to the roof rim plate as is necessary with many other seals. The double seal is fitted solely to the rim plate projection.

On retrofit applications, the double seal safely passes over the remaining clips and fasteners previously welded to the roof rim plates as left behind by most primary seals. This minimises the stripping out work when seals are being upgraded.

Advantages

All of the advantages claimed for the TS - 16 Secondary Seals apply here; however, the entire assembly, combining primary and secondary seals, may be installed from above the roof, even with the tank in service, if permitted.

Description

The Servaseal double seal applies compression plate technology to both the primary and the secondary seal elements.

Construction is as shown overleaf and it should be noted that an option using a flexible vapour barrier membrane of polyurethane or teflon material is available with the double seal.

Shell contact is by a range of extruded polymer Seal tips attached to the upper edge of the secondary seal elements and to the lower edge of the primary seal elements. The polymer will be selected to meet the needs of the particular application and to withstand abrasion from the tank shell and attack from the weather. It is also suitable for use in MTBE service with the use of our SS4 seal tip polymer.

The lower, primary element seal tip is normally just above the stored liquid level. For highly volatile products such as gasoline or for dangerous substances such as benzene we recommend the addition of a skirt of light impervious sheeting which is attached to the lower seal tip and, being weighted, dips into the stored liquid. This has the effect of enhancing the sealing efficiency in areas where seal tip to shell contact is less than perfect due to protruding welds, severe corrosion of shell plates etc.

The height of the secondary seal above the rim be minimised to reduce loss of storage capacity.

Materials of Construction

- **compression plates:**
galvanised mild steel or stainless steel
- **channels:**
galvanised mild steel or stainless steel
- **plate gasketing:**
closed cell polymer or optional vapour barrier
- **fasteners:**
stainless steel
- **grounding shunts:**
stainless steel
- **anti-hang-ups:**
st. stl.; to safely return the secondary seal elements to the tank shell after accidental overfilling
- **can include:**
stand off wheels to protect against malformed shells

For more details on this and other products visit:

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