



CTS30 COMPRESSION PLATE SEAL

The CTS30 is a liquid mounted primary seal. The design has developed itself into a leading design for external floating roof seals. Its design is based on compression plates pushing against the tank shell, backed up by a stainless steel spring. The vapour barrier is made of PTFE, giving an almost universal compatibility with all stored products, including 100% aromatics. As the seal design has no complex moving parts it will not encounter problems as a result of corrosion or any other hazards affecting seal performance through time. Each CTS 30 seal will be specifically engineered and manufactured to fit the tank involved, making sure the seal will be able to deal with both the particular dimensional and design aspects of the tank and external floating roof it will be fitted on.

CTS30 Product Features:

- excellent vapour tightness, resulting in maximum emission reduction
- compatible with all stored products, including 100% aromatics
- expected service life in excess of 30 years
- designed for each specific tank
- maintenance free
- full installation manuals and project support available from CTS
- complies with EPA, API and EN standards and EEMUA guidelines
- considered a tight fitting seal by EPA
- successfully used by many major oil companies and tank owners
- can be used with both welded and riveted tank shells
- suitable as retrofit seal on any brand of internal floating roof
- fitting both vertical and horizontal roof rims, not requiring rim modifications
- designed for each specific tank
- maintenance free
- fast installation in comparison with a shoe plate seal

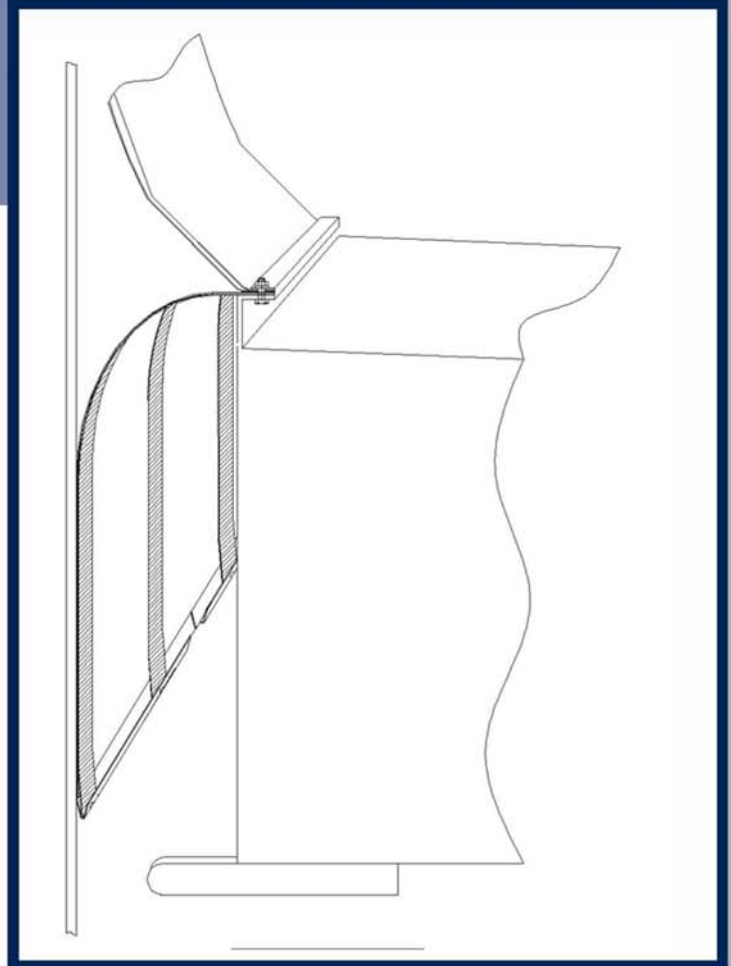


Design and engineering:

A CTS30 seal is a liquid mounted primary seal. The stainless steel seal plates generate an optimal sealing against the tank shell where the anti-static PTFE vapour barrier completely seals off the rim gap, generating a tight fitting seal. Normally a CTS30 seal is designed for a nominal rim gap of 200 mm (8 ") with a +/- 4" deviation as per API 650, but larger rim gaps can be bridged easily. CTS designs each individual seal for the Internal floating roof it will be fitted on. We consider the rim gap, product properties, tank specifications and many other design aspects in this process.

Installation:

CTS is certainly capable to install any tank seal on any tank, but our detailed drawings and installation manuals will give you the choice to have either your own or contractor staff installing the seal as well. Experienced CTS supervision will be available upon request.



Materials, selection:

Not just the design of the seal is important for its performance. Correct material selection might even be more important to ensure a long term adequate performance for any seal. CTS is able to give you a detailed advise on the optimal combination of materials, resulting in an economic seal design that is able to deal with the harshest conditions. Seals can be manufactured in a wide variety of materials and designs, including different grades of stainless steel and polymer materials, making it suitable for service with 100% aromatics or aggressive chemicals if and when required.



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