



CTS20 SECONDARY COMPRESSION PLATE SEAL

We offer a full range of secondary seal solutions. Secondary seals need to combine several aspects that can sometimes be contradicting and therefore many designs are available depending on the specific priorities and combinations of safety, storage conditions, stored product properties legislation and weather conditions. The most noteworthy aspect of a secondary seal is safety, a good secondary seal will effectively prevent rim fires regardless of weather conditions.

All CTS secondary seals are independent from the primary seal and can be installed on all possible rim configurations. We will design the seals specifically for each tank it is installed on and make sure it reduces emission in the best possible way. All our secondary seals are available in a wide range of materials, including galvanized steel and different grades of stainless steel.

The CTS 20 is the most common design for secondary tank seals. It consists of compression plates pushing a rubber tip against the tank shell. Behind the compression plates, fully shielded from weather exposure, the vapor barrier fabric ensures the vapor tightness of the seal.

Each CTS20 seal will be specifically engineered and manufactured to fit the external floating roof tank involved, making sure the seal will be able to deal with both the product stored as well as with the particular dimensional and design aspects of this tank and IFR.

Solutions

- Maximum emission reduction and eliminating the risk of rim fires
- Eliminating virtually all rain water ingress to the stored product
- Proven technology for secondary seals
- Optimum protection against rim fires
- Independent rim mounted secondary seal
- Eliminates risk of rim fires sustained

Highlights

- Compatible with all stored products, including 100% aromatics, such as Benzene, Toluene and Xylene
- Available in different material combinations, including stainless steel and galvanized steel
- Suitable for both vertical and horizontal roof rim angles, no rim modifications required
- Expected service life in excess of 30 years
- Designed for each specific tank
- Easy installation
- Can be installed while the tank remains in service
- Compliant with all international (environmental) standards such as API, EN, BREF IPPC, EPA and the specific standards EEMUA 159, PGS 29, etc.
- Suitable for both welded and riveted tank shells
- Excellent vapour tightness

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Engineering

During the engineering phase our team of engineers will review local emission requirements, safety aspects and tank geometry to tailor the seal to each specific tank, this seal can be designed for large rim gap variations. All other important properties, such as material selection are taken into consideration for optimal performance of the seal. Proper material selection ensures a long term maintenance free service life. Seal materials have to withstand the stored product as well as the elements for longer periods of time. CTS will provide an optimum sealing solution that is suitable for dealing with these specific conditions.

Completely in line with our sustainability vision all emission requirements will play a major role in the decisions we make during design.

Seal materials

Not just the design of the seal is important for its performance. Correct material selection is very important to ensure a long term adequate performance for any seal. Seal materials have to withstand the stored product, ozone, UV-exposure and rain water contact. CTS is able to give you a reliable advise on the optimal combination of materials. This ensures an economic seal design that is able to deal with all specific conditions.

Complete solution

The CTS sealing solution is complete from engineering to commissioning. We will provide a turn key solution, experienced supervision or supply drawings, installation manual and installation advice that offer the opportunity for local crews to install the seal as well without compromising safety, durability or performance.

Support and assistance

If this datasheet triggers more questions our team of experts will be always available to support and assist you in selecting the optimal solution for your specific application.



CTS20L secondary seal with direct foam injection.

All our product information and specifications are drafted with extreme care but can be subject to change. We reserve the right to change product specifications.

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CTS GROUP

**PARTNER IN
TANK STORAGE
SOLUTIONS.**

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