



CTS20 SECONDARY COMPRESSION PLATE SEAL

The CTS20 is an independently rim mounted secondary seal that has developed itself into the leading design for secondary tank seals. Its design is based on compression plates pushing a rubber tip against the tank shell. 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 CTS20 seal will be specifically engineered and manufactured to fit the 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. Behind the compression plates, fully shielded from weather exposure, is a continuous vapour barrier ensuring excellent vapour tightness.

Features

- Independent rim mounted gastight secondary seal
- Excellent vapour tightness, resulting in maximum emission reduction and eliminating the risk of rim fires
- Eliminating virtually all rain water ingress to the stored product
- 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, ATEX, NFPA and the specific standards EEMUA, PGS 29, VLAREM, etc.
- Successfully used by all reputed major oil and tank storage companies
- Suitable for both welded and riveted tank shells
- Can be fitted as a primary seal, secondary seal or as a combination of primary and secondary seal (CTS40)

CTS20

Design and engineering

A CTS20 seal is available in many different configurations. Seal tip design as well as seal design are depending on the service requirements and actual tank conditions. CTS designs each individual CTS20 seal for the tank it will be fitted on. CTS considers the rim gap, product properties, tanks specifications and many other design aspects in this process, eliminating the problems that arise when a standard seal is fitted. Our special tank inspection sheet will facilitate this engineering process. The CTS20 secondary seal can be combined with any existing primary seal, fitting both horizontal and vertical rim angles. The seal can be installed while the tank is in service.

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. In this respect one also has to realise that fabrics behind secondary seals will be difficult to inspect and malfunctioning seals could represent a hazard, while still mechanically okay.

Seal materials have to withstand the stored product, ozone, UV-exposure and rain water contact. CTS is able to give you a profound advise on the optimal combination of materials, resulting in an economic seal design able to deal with the specific conditions.

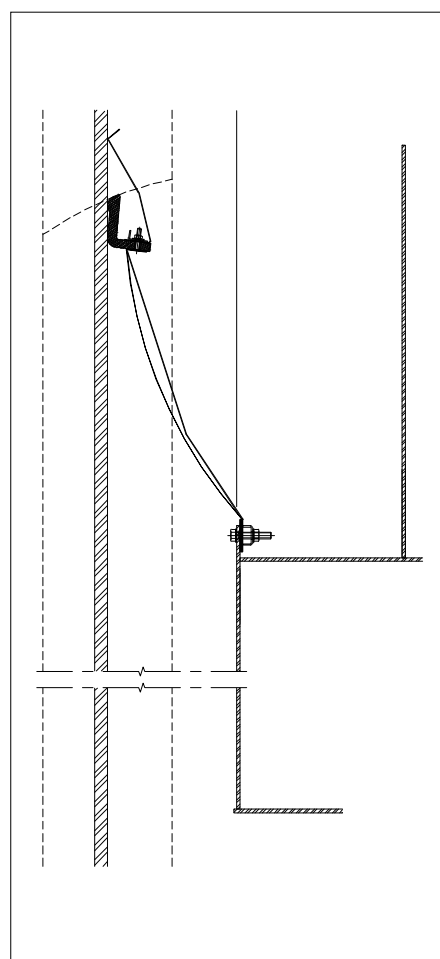
Seals can be manufactured in a wide variety of materials, including different grades of stainless steel and (fire safe) polymer materials, compatible with 100% aromatics or aggressive chemicals if and when required.

Installation

CTS is capable to install any tank seal on any tank, but our provided detailed drawings and installation manual will give you the choice to have either your own staff or contractor staff installing the seal. The economic advantages of having your own (contractor) staff installing the system could be significant, reducing travelling and lodging costs. Experienced CTS supervision is available upon request.



CTS20L secondary seal with direct foam injection.



CTS20L secondary seal, cross section.

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.

Your Distributor:



CTS Netherlands B.V.

Riga 10
2993 LW Barendrecht
The Netherlands

T +31 (0)180 531 027

F +31 (0)180 531 848

E info@cts-netherlands.com

CTS[®]
WWW.CTS-NETHERLANDS.COM