VAPOUR BLADDER
FOR VAPOUR RECOVERY SYSTEMS

The worldwide interest for sustainable entrepreneurship has triggered a keen interest for solutions to reduce the environmental footprint of our industries. Rightfully also legislators have added to the trend by increasing the requirements for achieving a safe and sustainable industry. CTS offers services that aim to facilitate increased use of sustainable solutions in our industry.

Reducing the emission of volatile organic carbons is key to achieving our sustainability goals. Changed products and additives with higher vapour pressures have resulted higher emissions and have added to the need for even more focus on products that reduce VOC emissions to the air. However, not in all circumstances it is possible to avoid generation of VOC vapours during operation. In these cases a vapour recovery system, with vapour bladder can a solution.

Fitting a vapour bladder combined with vapour recovery system will enable installing more efficient vapour recovery systems since the bladder eliminates the peak loads. It will ensure a continuous uniform vapour pressure within the vapour recovery unit (VRU). This will add to reliability of the system.

Safety
The vapour bladder is made of ester coated two sided polyurethane, which makes it oil and abrasion resistant. The membrane is vapour tight and therefore fully safe for all vapour storage applications.

Features

- Excellent vapour tightness
- Designed and manufactured for each specific project
- As hemispherical configuration or in a ring type truncated cone
- Pressure tested prior to shipment and installation
- Materials are extensively tested for its service
- Fabrics available compatible with all stored products, including high aromatic fuel vapour storage and MTBE fractions
- Easy installation, full installation manuals and project support available

Solutions

- Containing vapours prior to treatment
- Increased reliability of the VRU
- Dynamically stable within the tank
- Maintenance free
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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 bladder to the specific tank. All other important properties, such as material selection are taken into consideration for optimal performance, this ensures a long term maintenance free service life. The materials have to withstand the stored product as well as operational movements for longer periods of time. Our solutions will be 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.

Complete solution
The CTS vapour bladder 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 product 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.

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