GAUGE POLE COVER
FOR FLOATING ROOF TANKS

International regulations often require slotted gauge (guide) poles to be equipped with an emission control measure (ECM) such as a gauge pole covers (GPC). Our gauge pole covers are designed to minimise emissions of Volatile Organic Compounds (VOC) from slotted gauge/guide poles utilized on external floating roof storage tanks. Tank owners benefit by reducing product emissions while meeting environmental regulations.

Gauge Pole Covers are manufactured from a resilient hydrocarbon resistant fabric that creates a casing around the exterior of the slotted gauge pole. The cover includes a zipper for easy installation while the tank remains in service. The optional CTS Transition box provides a seal at the EFR deck penetration.

CTS Gauge pole covers are an excellent alternative for traditional gauge pole floats, which are typically less reliable. Tanks using radar gauging equipment also have advantages of CTS Gauge pole covers, that hold vapours and allow the radar gauge to perform more reliable.

Solutions

- Significantly reduces gauge pole emissions up to 90%
- Meets or exceeds environmental regulations
- Suitable for both internal and external floating roof tanks
- Can be installed while the tank remains in-service
- Excellent chemical and UV resistance
- Easy installation
- Collapsible design provides flexibility
- Custom engineered to ensure effective operation
- Provides an efficient and economical solution
- Also available for multiple poles like gauge poles with thermo wells bi-poles or piggy back pole designs
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BACT classified product
Gauge pole covers will significantly reduce emission and therefore they have been classified as BACT (Best Available Control Technique) under many environmental codes and regulations. The use of a gauge pole cover will typically increase your emission reduction percentage to well above 99% when comparing external floating roof emissions to fixed roof reference tank emissions.

Below is an example of the result of an emission calculation executed by CTS for a refinery tank located in North West Europe. The calculation was carried out per API Chapter 19, which is the leading standard on this topic.

<table>
<thead>
<tr>
<th>Storage tank description</th>
<th>Annual emission</th>
<th>Emission reduction</th>
</tr>
</thead>
<tbody>
<tr>
<td>Fixed roof tank, no emission reduction measures (reference tank)</td>
<td>845,088</td>
<td>0</td>
</tr>
<tr>
<td>External floating roof tank (EFRT) with slotted guide pole and gasketed sliding cover</td>
<td>13,990</td>
<td>98.34</td>
</tr>
<tr>
<td>EFRT with unslotted guide pole, gasketed sliding cover (gauge pole cover)</td>
<td>5,038</td>
<td>99.40</td>
</tr>
</tbody>
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Complete solution
The CTS GPC 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.

Cover material
- aromatics and tear resistant fabric (no coated fabrics are used)
- can be used with all products stored, including 100% aromatics
- does not absorb any liquids/products and does not become brittle when in use.
  The CTS Gauge pole cover is resilient against wind, rain, sand, UV exposure and is suitable for temperatures of -40°C up to 80°C
- designed as per API Chapter 19, section 2 and IPPC BREF storage tanks
- equipped with zipper that complies with ASTM-D 2961

Transitiion box material
- The CTS Transition box is typically made out of stainless steel
- The CTS Transition box split parts will overlap each other with a minimum of 2". This will ensure that the transition box in combination with the sealant applied creates an optimal seal.

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