



CTS GAUGE POLE SLEEVE 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 sleeve (GPS). Our gauge pole sleeves are designed to significantly reduce emissions of Volatile Organic Compounds (VOC) from slotted gauge/guide poles utilized on external floating roof storage tanks.

The stainless steel sleeve is attached to the existing gauge well slide plate. The sleeve reduces the evaporation surface and the associated emissions from inside the gauge pole significantly.



Gauge pole sleeve during installation.

Solutions

- Significant reduction of emissions from slotted guide poles
- Best available technology
- Compliance to strict regulations
- Easy, possible in service installation
- Maintenance free operation
- Any guide pole configuration possible

Highlights

- Resistant to all stored products because of its stainless steel construction and abrasion resistant PTFE (Teflon®) liner
- Designed for each specific tank
- Long service life
- Compliant to Chapter 4 – IPPC, BREF Storage tanks, 2005
- Available for IFR gauge pole or pole penetrations as well
- Installing a CTS Transition box allows installation of a CTS gauge pole cover

BACT classified product

Gauge pole sleeves 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 sleeve will typically increase your emission reduction percentage to 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.

Tank diameter: 36 m. (120')
 Seals: Shoe plate seal + rim mounted secondary seal
 Product: Gasoline (RVP 10)
 Annual turn overs: 152.3

Storage tank description	Annual emission	Emission reduction
	kg	%
Fixed roof tank, no emission reduction measures	845,088	0
External floating roof tank (EFRT) with slotted guide pole and gasketed sliding cover	13,990	98.34
EFRT with slotted guide pole, gasketed sliding cover and sleeve	4,287	99.49



Gauge pole sleeve.



Gauge pole sleeve, bottom view.

Complete solution

The CTS quick pole sleeve 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.



Gauge pole sleeve, top view.

All our product information and specifications are drafted with 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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