

SITRANS LR560 test tank

The tank complies with Annex E of EN 302372-1, which imposes the following requirements for a test tank:

- The test tank material shall be metal to demonstrate worst case for resonances and any unwanted tank radiation leakage.
- Test tank shall provide at least one mechanical connection for installing the TLPR. The method of mounting including the recommended product sealing used during the measurement shall be described in the Test report.
- The test tank shall be of cubic or cylinder shape with height/diameter ratio of 2 to 3 and volume shall not exceed 500 litres to demonstrate worst case power density inside the tank

The "test tank" was made of stainless steel 780mm height, 500mm in diameter. The lid -tank seal was a profiled, metal-metal contact held together by a sprung circumferential band that completely overlapped the joint. The TLPR was fixed to the tank using a standard stainless steel flanged tank mounting plate typical of a real life installation.



Photograph of TLPR fitted to test tank