

T E S T C E R T I F I C A T E

ST-13-09-26-01

- Product:** Franklin Fueling Petrol Pipe System
Typical configurations of the piping entering in a tank chamber where potentially explosive atmosphere were tested. The samples were 110 mm secondary contained with 125 mm representing worst case and highest surface area to length ratio. The sample length was 1 meter. The tested samples were equipped with threaded adaptor, square flange and round flange.
- Manufacturer:** Franklin Fueling Systems Limited
Olympus Close, Whitehouse Industrial Estate
Ipswich, Suffolk, IP1 5LN
Great Britain
- Order:** Safety-related test of electrostatic properties of pipes according to EN 13463-1 for regular use in explosion-hazardous areas
- Test methods:** Measurement of the surface resistance according to EN 13463-1:2009
Measurement of the transferred charge Q at the plastic components generated by friction or corona charging according to EN 13463-1:2009 (IEC DTS 60079-32-1 CDV:2012)
Evaluation of the charging in accordance with IEC DTS 60079-32-1:2012 (Cenelec Report TR 50404:2003) and the German TRBS 2153:2009
- Test reports:** No. 2713348 from 20 September 2013
- Test results:** The tested samples (outer side of the piping entering in a tank chamber) meet the requirements to avoid electrostatic chargeability according to EN 13463-1 and the Cenelec Technical Report TR 50404:2003 (IEC DTS 60079-32-1 CDV:2012, Explosive Atmospheres - Part 32-1: Electrostatic hazards - Guidance), when strong charging processes inside piping can be excluded. The electrostatic use is safely possible in potentially explosion-hazardous areas zones 1 and 2 for explosion group IIA.

Dresden, 26 September 2013





Head of laboratory



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