Tanlake Flowmetering

Helping to Protect the Environment

Optional Flowmeter Fitting to Tanker

The modern design of tanker sometimes causes a problem with retro-fitting a Flowmeter due to the discharge pipe being internal rather than external. This leaves few options for the correct installation of a Flowmeter. Below we give an example of how this can be overcome.

Discharge pipe rising internally – gate valve controlled.

Flowmeter with Remote Head (see illustration below)

Discharge pipe rising to ensure the Flowmeter is always full whilst in operation.

Note: The connection between the Flowmeter and the remote head shown below is made with screened cable contained within 2 x 12mm flexible conduits. Provision must be available to secure these conduits.

This is a Remote Head Flowmeter with Wire Junction Box, thereby removing delicate electrical equipment from a hazardous location and adverse weather conditions. See below for Signal Converter Head located in a safe place.

9 Palmdale Close, Longwell Green, Bristol, BS30 9UH
Tel: (+44) 01179 322200 e -mail: admin@tanlakeflowmetering.co.uk www.tanlakeflowmetering.co.uk

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The Flowmeter Signal Converter has been mounted in a safe location on the chassis of the Tanker within a Control Box.

Installation Advantages

1. Safe and secure location for the electronic part of the Flowmeter
2. Avoids damage by trees
3. Easier to programme and read display
4. Protected from rain, slurry and sunlight.

Disadvantages

1. Additional cost for cable and brackets - £300 approx
2. Installation time – about 4 hours
3. Fixture of cables between the two units.

Recommendations

In spite of the disadvantages this type of installation is seriously recommended and complies with the Warranty Conditions as set out by the manufacturer.

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