

LPG Storage Tank Details



Dimensions:

Width: 306cm

Depth: 100cm

Height: 148cm

1000 kg Vessel

1. BASE REQUIREMENTS

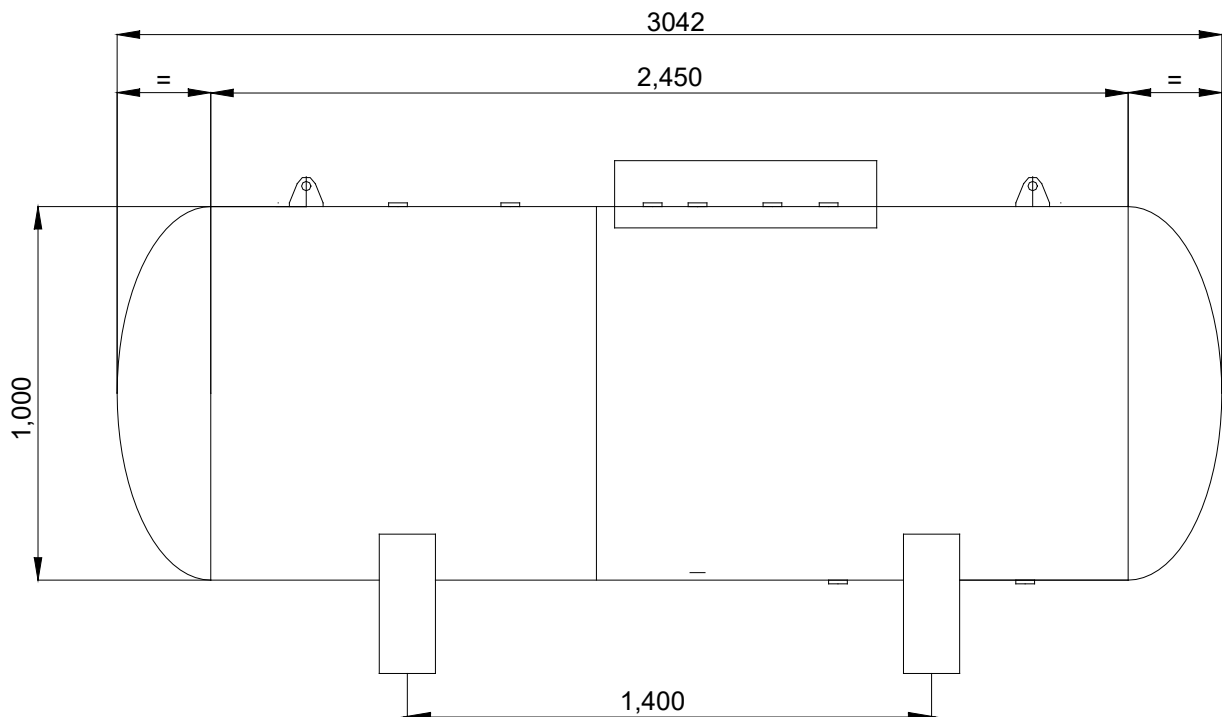
1 x 1 tonne vessel installation will require a base to satisfy the following criteria;

- Minimum: 3.05 metres x 1.5 metre x 150 mm thick, RI concrete base.
- Protective barrier (armco or equivalent) adjacent to any vehicular access routes.
- The concrete base must be cast on a firm foundation, total load approximately 1500 kg. (Allow a minimum of 14 days for the concrete to cure, before the installation of vessel).

2. VESSEL SIZE

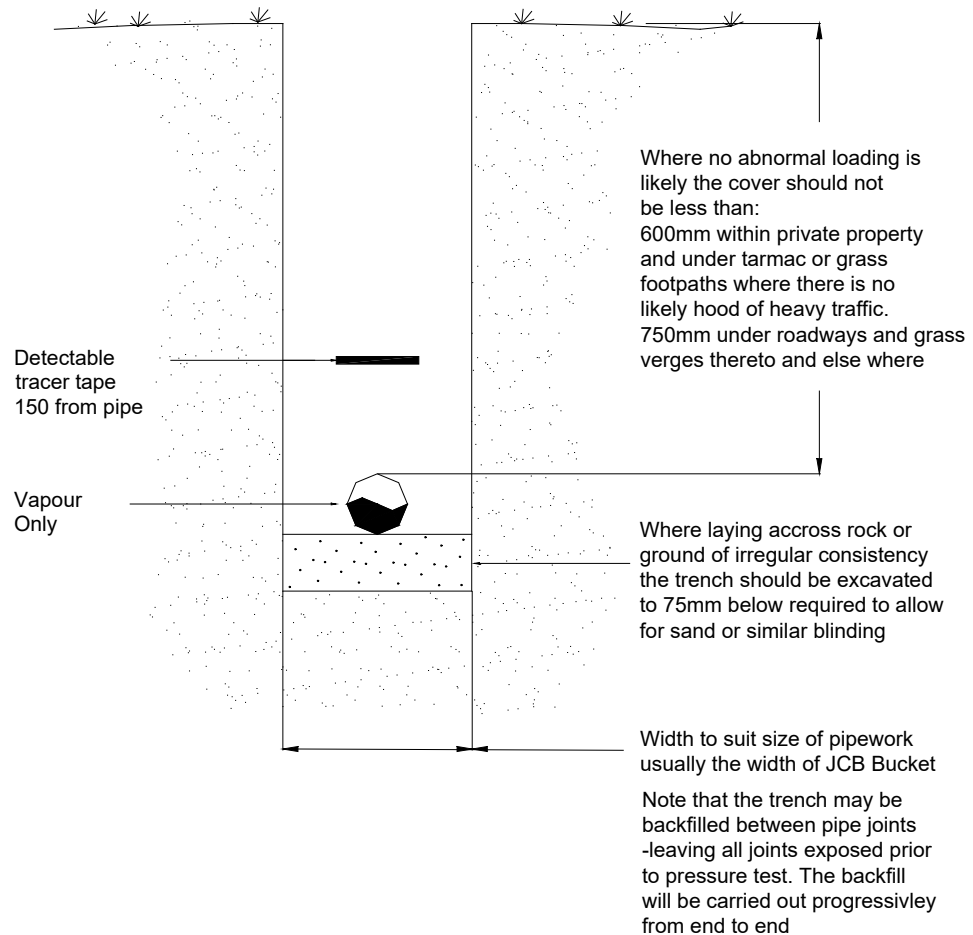
Water capacity	2.2m ³
Vessel Weight	500kg (empty)
Total propane capacity (exc. ullage space)	1975 Litres
Vapourisation rate (8 hour operation)	189.1 KW/hr (645,264 Btu/hr). @ -6.5C / 25% Full

Basic Dimensions;



3. UNDERGROUND PIPEWORK

This MUST be sand lined be to the depths illustrated below, be 300mm wide (a spade width), and back filled with sand on to the polyethylene pipe.



4. CODES OF PRACTICE

The current guidelines on the location of 1000 kg vessels, requires a separation distance from buildings, boundary's, drains and fixed points of ignition of 3 metres.

Armco or equivalent barriers required where vehicle access in vicinity of vessel location.

Also line of sight from the road tanker is required, so that the driver can maintain constant vision from the vessel fill point.

The relevant LPGA (Liquefied Petroleum Gas Association) Codes of practice are;

- COP 1 pt 1 Design, Installations and Operation of Vessels Located Above Ground
- COP 1 pt 2 Small bulk Installations for Domestic Purposes
- COP 1 pt 3 Periodic Inspection and Testing
- COP 22 LPG Piping Systems, Design and Installation

5. FIRE PRECAUTIONS

The following should be supplied/ available;

- Water supply for fire brigade use.

If this is for a commercial and industrial liquid service then the following is required:

- Water supply for fire brigade use.
- 19mm hose reel (or extinguishers).
- 2 x 9kg dry powder extinguishers.

6. CONTACT DETAILS

If you have an issue not answered in this brief guide please contact the AvantiGas Technical Department for further advice.

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