

Ventilation

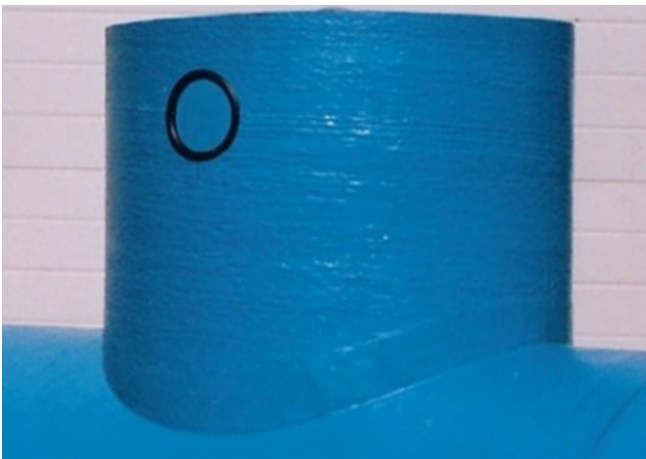
General Guidance



All underground tanks must be vented to prevent the build-up of pressure/vacuum and/or dangerous and explosive gasses within the tank. The location of vent pipes must be considered at design stage to ensure the exit point is positioned where gasses and vapours will be dispersed safely into the atmosphere and meet current regulations for your specific site.

SPEL strongly recommend that this design is carried out by a suitably qualified Engineer.

Most SPEL tanks come with vent connections in the form of a grommeted 110mm socket where a 110mm O/D standard drainage pipe can simply be inserted. There is an option to request additional vent sockets, or these can be cut on site with the correct tools.



The vent pipe layout and design are the responsibility of the Engineer or Contractor, but we recommend checking for the following:

1. The vent pipe must fall back to the tank to avoid condensation build up blocking the vent.
2. Each chamber of the tank must be vented. Two or more vent connections can be manifolded into one vent stack above ground. If a vent stack per chamber is not possible, ensure the manifolding is above the highest possible surcharge point. This is to ensure no captured pollutants in the separation chamber/s can pass through and into other chambers or straight to the outlet.
3. Vent pipe termination locations should be chosen carefully to ensure they are in accordance with prevailing regulations for height and distance from building etc.
4. Wind and/or unusual air currents should be considered and allowed for.
5. The vent termination should not be less than 2.4m above the paving level, and no less than 1 m above the top, and 3m horizontally of any window or door opening.
6. Vent pipes must be 3m or more from any boundary.
7. SPEL vent systems are designed to be in 100mm pipe, and the terminations should be fitted with a fresh air inlet cowl or an air admittance valve to prevent flammable vapours escaping and to prevent animals and other debris from entering the vent.

Contact the team today

 **01743 445 200**

 **info@spelproducts.co.uk**

www.spelproducts.co.uk  