

BALMORAL TANKS

FUEL OIL TANK INSTALLATION INSTRUCTIONS

Before installation

The storage of fuel oil is strictly controlled in the UK and Ireland.

Tank owners are considered liable in law for any contamination or pollution caused on their or their neighbour's property. It is therefore vital that the tank complies with legislation.

Prior to selecting a fuel oil storage tank, purchasers must complete a risk assessment for their particular installation and/or application to establish the type of oil storage tank permissible.

Once the type of tank has been established a further **Fire Prevention** assessment must be completed to establish the correct siting and positioning of the tank.

Finally, the tank must be installed in accordance with Balmoral's Installation Instructions which are supplied with every tank (enclosed with the fittings) with respect to supporting the tank and expansion clearances.

Overall requirements are specified in the following legislation:

- *Control of Pollution (Oil Storage)(England) Regulations:2001*
- *Water Environment (Oil Storage)(Scotland) Regulations April 2006*
- *Control of Pollution (Silage, Slurry & Agricultural Fuel Oil) Regulations:1991*

Fuel oil tanks supplying single family dwellings* **must comply** with:

- *Building Regulations (England & Wales) 2002:AD"J"*
- *Scottish Building Standards (Domestic) Technical Handbook*

- *Building Regulations Northern Ireland Technical Booklet L:2006*
- *Building Regulations: Part J (Ireland)*
- *BS5410 - Code of Practice for Oil Fired Systems: Part 1 or Part 2 (UK and Ireland)*

Most of the requirements contained in the legislation are covered by specifying and installing an integrally banded tank. Details of these products can be found on page 7.

The benefits of installing a banded tank include peace of mind, flexibility of siting and potentially improved home insurance premiums.

To ensure your tank fully complies with the above, Balmoral strongly recommends that your tank is installed by an OFTEC engineer who is deemed to be competent in law. Alternatively, you can self install but must apply to your local Building Control Office for permission and inspection.

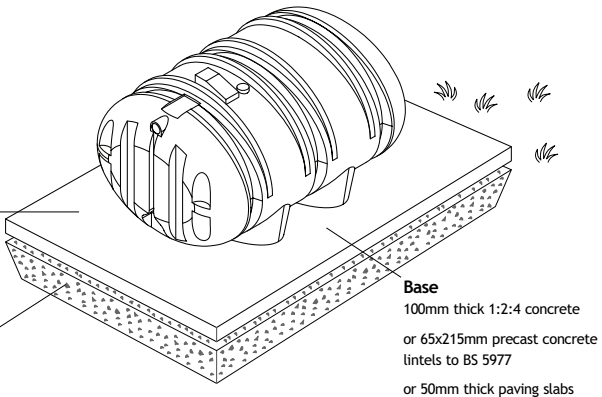
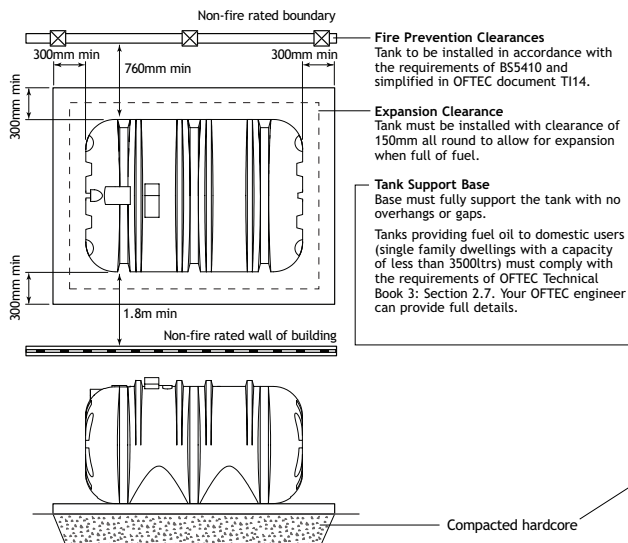
It is a requirement of Balmoral's T&C's and Warranty Policy that the tank purchaser complies with the requirements above. Call Balmoral's Site Services team for free advice and information on 01224 859171 or email siteservices@balmoral.co.uk.

**Full definition of what is covered and what is excluded is detailed in the legislation above.*

If in doubt we recommend obtaining advice and information from a local representative of either the Environment Agency, the Irish Environment Protection Agency or the Scottish Environment Protection Agency.

Tank installation

A typical single skin fuel oil storage tank installation



Note: Large tanks require thicker bases. Please consult OFTEC or your OFTEC engineer for advice.

Your Balmoral fuel oil tank is supplied with a 1" BSP (female) threaded outlet, pre-drilled holes with red protection plugs for locating 2" BSP (male) threaded filler and vent and a sealed lockable cover. Your Balmoral fuel oil tank is also supplied with a tank vent, a 2" BSP (male) threaded filler and a 2" BSP (female) threaded filler cap. All components are fitted during installation.

The following accessories are available in addition to the standard fittings kit:

- *Balmoral Tankmaster and support bracket*
- *Balmoral sight gauge and support bracket*
- *Electronic level gauge*

Comprehensive information for installation, fittings and accessories for all applications are supplied with your tank. For further assistance contact Balmoral Tanks on 01224 859171 or Balmoral Tanks Ireland on (0)1 691 1896.

Installation

- Position the tank ensuring best access for filling, maintenance and safety.
- Ensure that the tank support structure is suitable for the long term support of a tank when full. If in doubt seek the advice of an engineer.
- Store in an upright position, support the entire base of the tank on a firm, flat, level surface ensuring that the area is free from any sharp stones or other debris.
- Leave sufficient space between the tank and any surrounding structures to allow for any expansion during filling. We recommend a minimum of 300mm (12") all round. Also allow space above the tank for the hinged access cover to fully open.
- Ensure the tank is protected from strong wind (especially when empty). If necessary strap it down.
- Connect all pipework, fittings and accessories. The tank and the integrity of seals could be affected if pipework and fittings are not sufficiently supported.
- Use PTFE tape or Stag compound for jointing.
- Do not exceed the maximum torque rating for your outlet fitting:
 - Standard 1" BSP female outlet fitting 61Nm (45 lb/ft)
 - Special Order 1.5" & 2" BSP female outlet fittings- 67Nm (50 lb/ft)

Tank information

- The tanks are designed for static applications (not for transport purposes) and are heavy when full. They should only be moved, with care, when completely empty.
- Standard Balmoral fuel oil storage tanks **MUST NOT** be installed underground.
- This range of tanks has been specifically designed to hold:
 - Fuel oils: diesel, kerosene, paraffin (burning oil)
 - Non potable water (not water for domestic/drinking purposes)
- Clearly label the tank to identify the contents and any relevant safety information.
- **DO NOT CLIMB OR STAND ON THE TANK** (for example during filling). The outer surface of the tank can be a slip hazard.
- If gravity feed is not suitable for your application see your authorised distributor for information on pumps.

Other applications

- For different applications, Balmoral can offer advice on alternative tanks and suitability of the material in which the tanks are moulded for containing other liquids.
- It is the responsibility of the end user to ensure the alternative tank application will meet any legislative requirements that may apply and that suitable pipework and fittings are used.

Additional information

Balmoral provides advice on alternative tanks and material suitability for the storage of a wide range of liquids.

It is the responsibility of the end user to ensure alternative tank applications meet any legislative requirements that may apply and that suitable pipework and fittings are used.

Authorised distributor

BALMORAL TANKS

Head Office & Factories

Balmoral Park, Loirston, Aberdeen
AB12 3GY, Scotland
Telephone +44 (0)1224 859000
Fax +44 (0)1224 859123
E-mail tanks@balmoral.co.uk
www.balmoraltanks.com



BALMORAL

www.balmoral-group.com

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