



DURATANK[®] FLEXIBLE TANKS FOR FUEL OR EFFLUENT

Fuel Tanks

A flexible fuel tank is the ideal solution for the owner who needs to retrofit or replace an existing tank, particularly if the access is difficult. In many cases, the flexible tank can be used as a liner for an existing rigid tank, which may be cracked or leaking. Flexible tanks are also very suitable for applications where shock or pounding is likely to be an operational problem, have a long corrosion-free life and are significantly lighter than rigid tanks.



Effluent Tanks

This type of pillow tank can be arranged to fit most compartments in your boat. Waste is pumped into the tank and is extracted through a deck fitting to a pump-out facility when required. The flexible effluent tank is particularly suitable for the owner seeking to install a holding capacity to comply with local regulations.

Construction

Both fuel and effluent tanks are manufactured from high tensile polyester fabric which is coated in highly fuel resistant nitrile rubber. To this is bonded an additional internal layer of Tedlar[®] (PVF) film. Fuel or effluent can give rise to permeation of odour through conventional fabrics but this is completely prevented by the PVF film layer. It is not possible to weld rubber-coated fabrics, so these tanks are hot vulcanised in a press. The very wide seams are backed up internally with 'V' tapes to ensure all loads are safely taken in tension. Unlike some flexible tanks, all fitting locations are doubly reinforced. As the bonded seams are flat, all tanks are constructed as a flat shape (pillow construction). Careful shaping of the flat panels ensures a good fit when the tank achieves its three dimensional shape.



Fittings

The tanks are made to the customer's requirements and are supplied with fittings (for inlet, outlet, vents etc.) already installed. These are generally designed to take flexible hose, although threaded fittings can be supplied if required. Customers can specify the location of the fittings to suit the application. Fittings are available in straight or elbow configuration allowing a variety of installation schemes.



Custom Manufacture

Flexible tanks are made to the customer's specification. We recommend that you discuss your application with us to allow you to make best use of the tank and to make the installation straightforward.