FAST PLANT

INSTALLATION

All installation procedures should be carried out with regard to the provisions of the Health and Safety at Work Act and in accordance with current good practice.

The contractor is responsible for off-loading and safe handling. When stored on site the tank should be placed on clear level ground to avoid accidental damage.

During the course of installation the following equipment will be required:

Normal construction plant and machinery.

Concrete - 20 Newton/semi-dry.

An adequate supply of water - capable of keeping pace with the rate of backfilling.

Pumping equipment - where necessary.

1. Excavate to tank dimensions plus 200mm min. all around and underneath. Place concrete base, compact and level.

2. Before concrete hardens, lower tank onto base and check levels/alignment.

3. Stabilize tank in excavation and place temporary covers over all openings.

4. Commence backfilling with concrete, ensuring even distribution around the tank. At the same time start filling the unit with water, charging each chamber equally, such that the levels of concrete and water remain approximately the same.

5. Ensure that the concrete is worked around the tank/strengthening ribs to prevent voids and compact manually, being careful not to distort the tank. DO NOT COMPACT WITH MACHINERY OR VIBRATING POKERS.

6. Connect inlet and outlet pipes, cable duct, vent etc. as concrete rises.

7. Continue backfilling with concrete to 200mm above body of tank and just below ground level around cover(s).

8. Fill to ground level with free-flowing material and fit inspection cover(s).

9. Leave tank full of water pending final assembly/commissioning.

NOTE:

A. These instructions are for guidance only, assuming firm and stable ground conditions. When installing larger units, or where ground conditions are poor, it may be necessary to construct a reinforced concrete slab, designed by a structural engineer to take into account the full weight of the plant and the load bearing characteristics of the ground.

B. If the water table is very high it may also be advisable to increase the thickness of the concrete surround, or provide a weighting slab, to prevent floatation.

C. When installed in areas subject to traffic separate heavy-duty inspection covers must be used, supported by a reinforced slab designed to prevent vehicle loads being applied to the unit.