

## INSTALLATION INSTRUCTIONS FOR MOLOK DEEP COLLECTION CONTAINER

### CONTAINER WITH PLASTIC ANCHORING SYSTEM

April 23<sup>rd</sup>, 2007

### CONTAINER DELIVERING AND HANDLING

Handle the container carefully. The container should not be rolled or dropped. Special care must be taken with the container's top aluminium collar ring and the rear pin. Lift the container only with the lifting loops which are provided from the factory. The lifting loops should be attached to a lifting chain, with tethers at least 1500 mm's long. All lifting should be done in a straight vertical manner.

### INCLUDED WITH DELIVERY

The lid, lifting bag, and other accessories are either factory installed in their proper places, located inside the container, or are delivered on an additional pallet. **Any lid that is shipped inside the container must be removed from the container in order for it to regain its original shape.**

### INSTALLATION SITE

The customer shall prepare the site for excavation and ascertain that all communication cables, water, sewage and drainage pipes, and other issues worth of notice, are located safely away from the container site. To allow safe emptying, a sufficient clearance space must be provided around the container. For example; a container with a basic hinge requires space at the sides and back of the container, as the lid needs to be turned sideways and towards the rear to allow emptying. When emptying the container, the lifting should be done in a straight vertical manner, and because of this, the container cannot be installed close to walls or overhead obstructions (signs, eaves, etc.).

### INSTALLATION PIT

**Subsurface drainage is recommended** for possible groundwater areas and for areas where terrain contains clay or silt. The approx. depth of the digged installation pit is 1600 mm's. The bottom is levelled to a depth of approximately 1500 mm's. **The final height of the exposed upper part of the installed container should be 920 mm's from ground level to the top of the container collar ring (Picture 2).** The installation pit should be large enough to accommodate loose and falling soil during installation. Stones with a diameter greater than 100 mm's must be removed prior to backfilling.

**MOLOK®**

## INSTALLATION

### CARE MUST BE TAKEN TO FOLLOW THESE INSTRUCTIONS DURING INSTALLATION

All parts inside and outside the container should be removed prior to installation. **The direction of the filling hole is determined by the location of the sign and the locking plate.** The final installation depth is determined by measuring the distance from the collar ring to the ground level, this distance should be 920 mm's. When installing a group of deep collection containers, the collar rings of all containers must be at the same level, and the front surfaces of all containers must be in line. Make sure that all containers are vertically aligned by means of a spirit level applied to the top of the collar ring.

#### Do Not Drill or Screw Into the Hollow Anchor Flange

Check the container's roundness by placing the lid on the container and observing the proper fit. **The filling material should be coarse gravel, or macadam.** Do not use muddy soil, silt, or any other fine material as filler. The plastic anchor flange is located towards the bottom of the container, thus the fill must be well compressed.

**Three separate methods of anchoring the container are used for various ground moisture levels:**

#### A. ANCHORING IN DRY SOIL

Backfill the area around the container, level by level, and compress each level with a power tamper. This method of careful compacting assures that the container will remain in its proper place, and that the soil will remain firm and in place. When compressing the soil, care must be taken that the container retains its original shape and place.

#### B. ANCHORING IN DAMP SOIL

Concrete anchor blocks should be installed at regular intervals around the flange near the bottom of the container, linking each block by metal wire (Picture 1).

Backfill the area around the container, level by level, and compress each level with a power tamper. This method of careful compacting assures that the container will remain in its proper place, and that the soil will remain firm and in place. When compressing the soil, care must be taken that the container retains its original shape.

Picture 1. Anchoring with concrete anchor blocks.

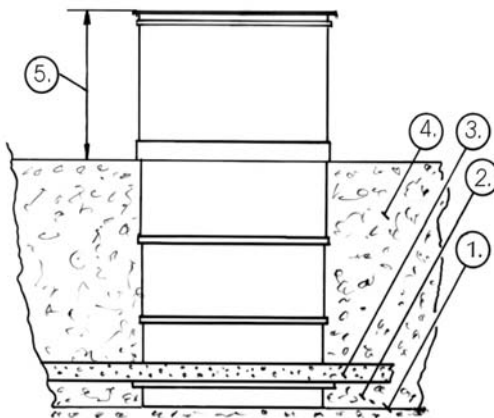


The anchor blocks are linked together at regular intervals by using 3mm galvanized wire. Three blocks are required for the 5 cubic meter and 3 cubic meter containers. Two blocks are required for the 1.3 cubic meter and 800 liter containers.

### C. ANCHORING IN WET SOIL

An approximately 100 mm thick layer of concrete should be cast around the anchor flange at the site (Picture 2).

Backfill the area around the container, level by level, and compress each level with a power tamper. This method of careful compacting assures that the container will remain in its proper place, and that the soil will remain firm and in place. When compressing the soil, care must be taken that the container retains its original shape.



Picture 2. Installation depth and anchoring with concrete.

1. Leveled gravel base
2. Leveled gravel
3. Concrete anchoring
4. Coarse gravel, or macadam filling material
5. Distance between the collar ring and the ground level 920 mm's (used to determine installation depth)

## TASKS TO DO BEFORE, AND AFTER INSTALLATION

### 1. ALL CONTAINERS

#### During Installation:

- Check that the bottom of the lifting bag is closed tightly, and that the rope is placed according to the instructions. Note; It is possible for the lifting bag's closing mechanism to open during delivery.
- Finally, remove protective bubble wrap from the frame and clean up the job site.

### 2. CONTAINERS MARKED WITH MIXED WASTE SIGNS, AND WITHOUT QUICK SYSTEM

#### After Installation:

- Place the lifting bag inside the container.
- Place plastic liner inside the lifting bag.
- Roll the mouth of the bag all the way to the marked line.
- Place the rolled bag's mouth around the container opening.  
Attention: Don't pull the plastic liner over the framing!
- Leave locking mechanism free from plastic liner.

### 3. BIOSYSTEMS

#### After Installation:

- Install biodegradable bag inside the BioSystem lifting container.
- Leave enough of the top of the bag exposed to allow the fixing cone to secure it properly.
- Install the fixing cone tightly into container opening.
- Fold excess bag over the fixing cone.

**TWO BLUE LIFTING LOOPS ARE INSTALLED INSIDE EACH CONTAINER, AND ARE TO BE USED WHEN HANDLING THE CONTAINER. FOR EXAMPLE WHEN LIFTING THE CONTAINER INTO THE INSTALLATION PIT. AFTER THE INSTALLATION, THE BLUE LIFTING LOOPS SHOULD BE REMOVED.**

All Molok containers must be installed in accordance with directions supplied in Molok installation instructions. Any deviation from these instructions will result in the installer assuming all liability for any resulting damages.