

Installation instructions

MolokClassic®

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MOLOK®

TRANSPORT AND HANDLING OF THE CONTAINERS

Handle the container carefully. Do not roll or drop the container. Do not lay the container on its side. Lift the container only from the lifting loops provided from the factory. Attach the lifting loops to a lifting chain with minimum 1500 mm long tethers. Always lift the container vertically straight. Use of lifting beam is recommended.

CONTENTS OF DELIVERY

Main lid, lifting bag and other accessories are either factory installed, located inside the container or delivered with a separate pallet. If the main lid is delivered inside the container, remove it in order for it to regain its original shape.

INSTALLATION SITE

Clarify following issues concerning the installation site: soil type, the location of communication and electricity cables, water, sewage and drainage pipes and other issues worth of notice. To allow safe emptying, a sufficient clearance space must be provided around the container (notice also eaves, branches, overhead cables etc.). According to Molok Ltd's recommendation, the distance of the container from any permanent structures should be min. 500 mm for the container to function properly. Also take notice of the access of the emptying vehicle near the containers during winter conditions. The distance between individual Molok® containers should be minimum 300 mm.

INSTALLATION

Subsurface drainage is recommended for areas where the terrain contains clay or silt. When installing a group of containers, the top aluminium rings on the containers must be at the same level and the front edge of the containers must be in line.

GENERAL INFORMATION

This instruction is valid for all round Molok® container sizes. Additional instruction for 800 l and 300 l containers is delivered with the containers. In order to keep the containers water-proof, **no holes should be drilled in the well body.**

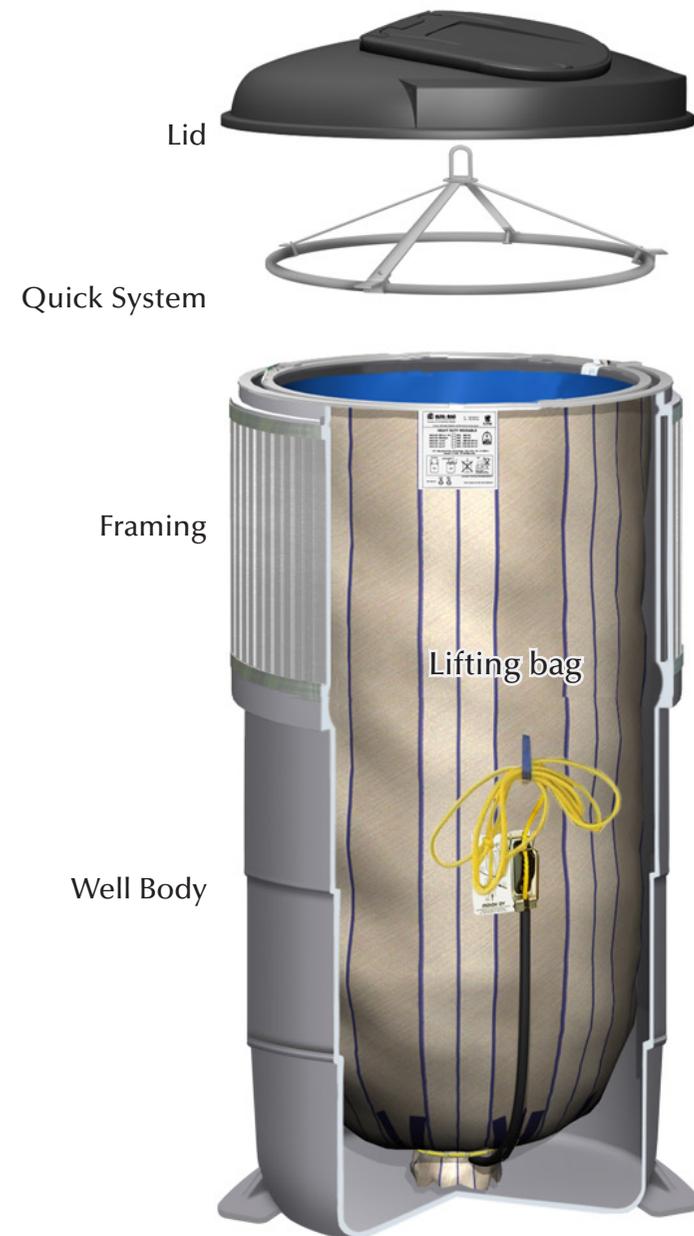


Image 1.1. Construction of the container

DEEP COLLECTION®

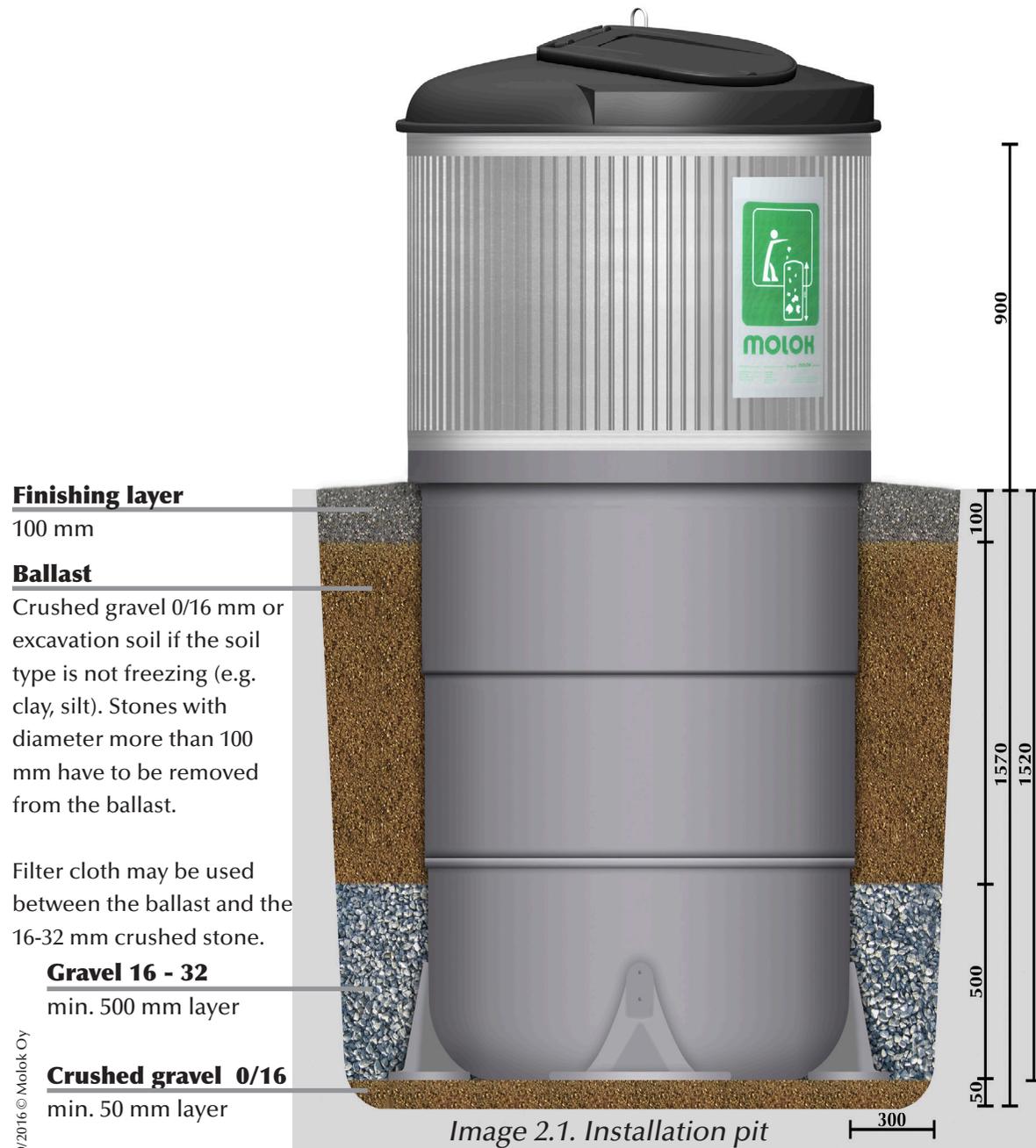


Image 2.1. Installation pit

1. Dig the installation pit according to the measurements in the image 2. The pit should be 600 mm wider than the diameter of the container. Level the bottom carefully with spirit level and compact the ground if needed. (Image 3.1.)

Diameter of the installation pit:

MolokClassic[®]-container 5 m³ **2150 mm**

MolokClassic[®]-container 3m³ and 1,3 m³ **1750 mm**

2. Preparing 800 l and 300 l containers:
Fasten the anchor steel into the bottom insert according to a separate instruction manual provided.
Preparing 5 m³; 3 m³ and 1,3 m³ containers:
Fix the plastic bottom anchors into the container with two bolts each (bolts are tightened max. 25 Nm). (Image 3.2.)
3. Lift the container to the installation pit by using lifting loops. The use of lifting beam is recommended (Image 3.3.)
4. Align the lid opening by using the sign in the front panel.
5. Use a spirit level to ensure the container is straight and level.
Depending on the installation site, use the spirit level either;
A. on top of the aluminium ring (lid and lifting bag removed) **OR**
B. from the sides of the container
6. Fill the pit as described in the image 2.
With a light compactor, compact the filling soil carefully with every 200 mm layer. We recommend to use max. 100 kg round compactor. (Image 3.5)
7. Make sure that the finishing layer slopes slightly downward from the container.



Image 3.1.
50 mm of 0-16 mm crushed gravel can be used for levelling.

Image 3.2.
Fix the plastic bottom anchors into the container using two bolts.

Image 3.3.
Lift the container to the installation pit by using lifting loops. Make sure that the container is straight and level.

Image 3.4.
Fill the installation pit using gravel 16-32 mm, ballast material and suitable finishing material.



Image 3.5.
Ballast material is then placed on top of the crushed stone (anchoring). Use a spirit level to ensure the container is straight and level.

Image 3.6.
Remove the plastic covers.

Picture 3.7
Remove the lifting loops.

Picture 3.8
Open and straighten the lifting bag before placing it in the container.

1. ANCHORING THE CONTAINER TO DRY OR SLIGHTLY MOIST SOIL

Make sure that the soil type has proper water drainage; such soil types are for example silt, grit and moraine.

Install the containers according to the instructions given on page 2. Molok Ltd recommends the use of N-1 class filter cloth between ballast and gravel.

If the soil type seems to have poor drainage or if the installation pit collects surface water, consider installing the containers according to point 3 below.

2. INSTALLING 5,0 M³ CONTAINER TO WET SOIL OR SOIL WITH CLAY

Fasten the bottom anchors to container according to instructions on page 2, point 2. Use N1-Filter Cloth on the bottom of the pit under the layer of Crushed gravel. Install a plywood plate (# 15 mm, 820x300 mm) as an extra anchor between every bottom anchor. Install the plywood plate on top of the bottom anchors in a way that the center of the plate touches the container on the inside and is in level with the bottom anchors on the outside. Fasten the plywood plate by screwing it from both ends to the bottom anchors, for example with 4x40 mm screws.

Finish the installation according the instructions on page 2, points 3-7. Note to use filter cloth also between ballast and gravel.

3. INSTALLING TO A VERY WET SOIL

Begin the installation according to points 1-5 on page 2.

Begin filling with crushed gravel, for example 0/16 mm, compacting in every 300 mm. Cast 1 m³ ready-mixed concrete (for example K30, #16 mm, S3) on the gravel, and around the container. Make sure that the container does not move during concreting. Finish the filling according to point 6 on page 2.

Finish the installation according the instructions on page 2, point 7.

AFTER THE INSTALLATION (images on page 3)

1. Remove the plastic cover that protects the containers (image 3.6).
2. Remove the two lifting loops from the container (image 3.7).
3. Open and straighten the lifting bags carefully (image 3.8).
4. Check that the bottom of the lifting bag is closed tightly and the rope is placed according to the instructions. It is possible for the lifting bag's closing mechanism to open during delivery.
5. Assemble lifting bag or lifting container inside the well. Fix the main lid on the container (picture 3.8).
6. When using BioSystem container, place a decomposable liner in to the container according to a separate instruction.
7. Clean the surrounding area of installation and packaging material.

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.

ADDITIONAL INSTALLATION INSTRUCTIONS

MolokClassic 800l and 300l

Install the anchor steel with a screw and washer to the insert at the bottom of the container.

Depth of the installation pit:

300 l container approx. 920 mm

800 l container approx. 1500 mm

Notice also the space for the anchor steel.

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Insert



Anchor steel



Washer



Screw

