DRAINAGE IN ITS BEST FORM BIRCO

Maintenance instructions for BIRCO drainage systems

1. Preliminary remarks

In order to continuously exploit the full hydraulic performance of our channel systems and to ensure the system safety and locking of the covers to be safe for traffic, the drainage channels together with the inlet boxes and/or other drains and/or installations, as well as their covers together with the fastening mechanism, are to be cleaned and maintained at regular intervals.

2. Cleaning and maintenance of drainage systems for the application area of media not hazardous to water

BIRCO drainage systems should be subject to a visual inspection regularly, but at least once a year.
If impurities from leaves, sand, dirt and/or filterable suspended solids are found that could reduce, restrict or even prevent the drainage, these must be removed. Impurities in the drainage systems that are not subject to the regulations of the Ordinance on Waste Disposal (AVV) may be disposed of in the residual trash. (Observe the local waste disposal regulations in the process.)

The completeness of the cover fastenings is to be checked when checking the drainage systems. Missing or damaged parts are to be replaced. The locks must be fastened with the specified tightening torques in order to prevent the covers from loosening and thus to avoid possible damage to the system.

3. Cleaning the channels with tools

3.1 Cleaning drainage systems using blades or similar tools

Block off the area to be safe for traffic according to the generally applicable rules.
Remove all covers and place these on a side next to the drainage channel.
Check the covers for adhesions and remove these using a water jet for example.
Shovel the dirt out of the drainage channel and dispose of it according to the local regulations for waste disposal.
Rinse the residual dirt in the gutter towards the drain trap / drain and remove the sludge tank there to dispose of the dirt in it. Check the side walls of the drain trap for adhesions and remove if present. Also check the sleeve on the bottom of the sink trap for friction and damage. The integrity of the sealing ring in the sleeve is to be maintained.
Blockages in the outgoing pipe system are to be removed by means of a jetting lance or jet nozzle.
Insert the covers and lock these according to the installation instructions for the system.
If necessary, clean the area around the drainage system and remove the traffic safeguard.

3.2 Cleaning with BIRCOeasyclean

Block off the area to be safe for traffic according to the generally applicable rules.
After installing the BIRCOeasyclean flushing nozzle on a compatible high-pressure cleaner, insert the BIRCOeasyclean through the drainage opening of the cover and flush towards the drain. Remove stubborn adhesions on the covers using a water jet.
A working distance of about 2-3 meters per flush thrust is recommended when working in a splash water protected area. The cleaning direction is to be chosen towards the drain trap in order to remove the sludge tank in the drain trap after cleaning the channel and dispose of the dirt in the residual trash.
Check the side walls of the drain trap for adhesions and remove if present. Also check the sleeve on the bottom of the sink trap for friction and damage. The integrity of the sealing ring in the sleeve is to be maintained.
Blockages in the outgoing pipe system are to be removed by means of a jetting lance or jet nozzle.
Insert the covers and lock these according to the installation instructions for the system.
If necessary, clean the area around the drainage system and remove the traffic safeguard.

4. Drainage systems with jointed component transitions

All joints are to be checked at regular intervals in order to avoid damage.

Weather, mechanical stresses, decomposition from chemicals, damage to the structure, damage from animals or other situations may make a joint sealing unstable, thus impairing the function.

It is most effective to perform the joint test during cooler ambient temperatures, because this is when the components shrink the most and the joint is therefore at its widest.

Pay particular attention to the general maintenance condition of the surrounding materials when checking the joints.
The joints are to be repaired properly if cracks are found in the sealant or if excessive deformations, chunking, detachment (loss of adhesion) of the component, hardening of the permanent elastic joint dimension, discolorations or similar are found.

4.1 Restoration / repair of joints for the application area of media not hazardous to water

A damaged jointing is to be completely removed in order to replace it with a continuous new joint. If necessary, the contact surfaces are to be prepared for the adhesion of the jointing agent using a suitable tool. Joints with cementitious materials are to be avoided, as these can cause damage from corrosion on galvanised steel products, and visual defects on stainless steel products.
Observe the product-specific instructions and regulations for working the joint.

5. Spare parts and technical support are available at the following address

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