

Maintenance manual Rigofill ST

1. Maintenance intervals

During the construction phase, always make sure that no dirt or foreign particle enters the shafts. During and immediately after the construction phase, increased contaminant load from the connected areas can be expected.

The first check (and possible adjustment) of the infiltration system should be made after completion and before the handover of the system.

A visual inspection of the system and shafts as well as a camera inspection of the infiltration boxes is recommended. A standard sewer camera for diameter > DN200 can be used. A rotatable and height-adjustable camera head allows for an optimal view of the lateral area, a controllable carriage ensures a centered positioning, and high-performance optics together with lighting allow for a perfect picture. The results should be recorded in a log.

2. Inspection

Rigofill ST and QuadroControl ST were designed for contemporary TV-Inspection technology. The into the storage/infiltration system integrated QuadroControl provides inspection cameras for pipes \geq DN200 access to the cross shaped inspection tunnels of Rigofill ST.



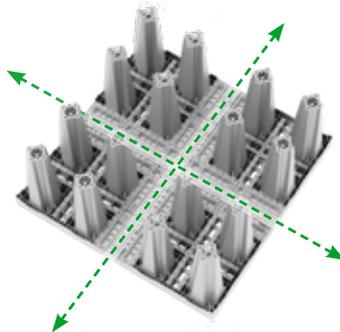
3. Cleaning

3.1. Rigofill ST

The tank can be flushed by means of a sewer cleaning system via the cross-shaped tunnels of Rigofill ST.



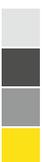
Cross-shaped inspections-/maintenance tunnel

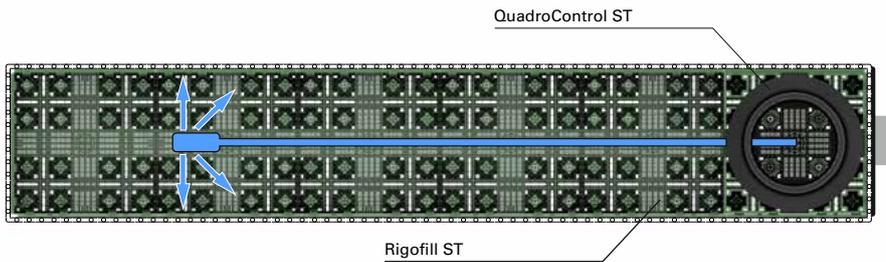


Rigofill ST can be cleaned with a flushing pressure of approx. 90 - 120 bar. The flush water transports the dirt to the control shaft QuadroControl ST and is sucked off there. It is recommended to use a 90 ° rotating nozzle with additional 45 ° rotation angle.

Note

Please use the bottom tunnel of the shaft for inspection and cleaning!





The material like sludge and sand as well as the flushing water taken out of the tank may contain hydrocarbons and heavy metals. These have to be disposed of according to the local regulations.

3.2. Filter Sets

The filter sets consisting of sand catcher (bucket) and filter sack (please keep the size of the connected area in mind), respectively the strainer bucket for throttle shafts are based on the principle of keeping back and accumulating solid. The accumulated dirt has to be disposed of regularly. Regular maintenance is important for a long standing operation of the complete detention facility.

Depending on the dirt transported in the incoming water and the calculated security factor much shorter cleaning intervals may be required (in some cases within a few weeks only) – especially shortly before the rain season (autumn). We therefore recommend to start with control and cleaning intervals of a few weeks only and depending on the respective degree of soiling the interval may be extended. In Europe the critical time usually is spring because of the pollen in the air.

The filter sack is to be interconnected with the bucket by pulling the cord of the rim over its rim. Via the handle the bucket may be pulled out of the shaft – a hook may make it easier to pull the bucket out. If there is dirt in the filter sack this has to be disposed of as well. If necessary the dirt may be flushed out.

The original permeability of the geotextile may not be reached again, thus eventually (after several years) the filter sack may have to be exchanged – please revert to our replacement set if necessary. Taking out the filter set constantly is not permitted and may lead to a blockage of the whole detention and infiltration unit.

FRÄNKISCHE

Fränkische Rohrwerke Gebr. Kirchner GmbH & Co. KG | Hellinger Str. 1 | 97486 Königsberg/Bayern
 Telefon +49 9525 88-2200 | Fax +49 9525 88-92200 | marketing@fraenkische.de | www.fraenkische.com

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