

D-Rainclean

Installation Guide

Additional Information

Installation instructions for Emergency Overflow unit (See drawing STW-DRC-05)

1. Fit the overflow unit as with a standard D-Rainclean channel unit ensuring it is kept in alignment with other units and is fully seated on the gravel base
2. Select which side the overflow is to discharge and blank off the other side with the blanking plug provided. (a 160mm overflow can be provided for larger connected surfaces)
3. If using a cast iron frame position it over the channel
4. Adjust the overflow height by turning the thread to the desired height
5. Insert the cast iron grating
6. Backfill around the sides using the selected method for open / B125 / D400 channel as appropriate

Additional Notes

1. Horizontal Expansion Joints - Since plastic, cast iron and concrete have different co-efficient of expansion we recommend expansion joints every 30-50m of installed channel.
2. Special Radius –radius of 80-100m can be created by using paving stones between end pieces.
3. 90 Degree angles – These can be created by using paving stones as separators.
4. Installation gradients of 1% can be accommodated without any changes to the installation procedure, anything greater than this will need to be hydraulically calculated.
The different expansion co-efficient of plastic, cast iron and concrete need to be taken into account. We therefore recommend the provision of expansion joints at distances of at least 30–50 m in a length wise direction.

Replacing the Re-Medi8 filter media

1. Using the installation wrench (part number DRFC011) open the cast iron cover of the D-Rainclean filtration channel.
2. Remove the filter media using a standard suction and rinsing vehicle.
3. Carefully remove filter media using suction hose, a weak water jet can be used in order to accelerate the process if desired.
4. Continue removing the media until the openings on the lower edge of the filtration channel are visible. This will ensure that the substructure gravel remains in situ.
5. Pour the new Re-Medi8 media into the channel. This requires four standard bags (part number DRFC005) per metre of channel. A bulk bag (part number DRFC006) suffices for approx. 27 linear metre of channel.
6. When laying the media ensure that it is evenly spread along the channel to a depth of 200mm.
7. Once completed, replace the cast iron grating in their frames and lock in place.

Storage & Handling

Construction Site Storage

1. The D-Rainclean filtration channel and all of its components should be stored on a firm and level surface.
2. The D-Rainclean Re-Medi8 media should be protected from moisture until it is used. The D-Rainclean filter media 1.5m³ bulk bags (part number DRFC006) should not to be stacked but stored adjacent to each other.
3. The D-Rainclean Re-Medi8 standard media bags (part number DRFC005) should be stored on pallets as a bundle.
4. Site storage should not exceed 12 months.