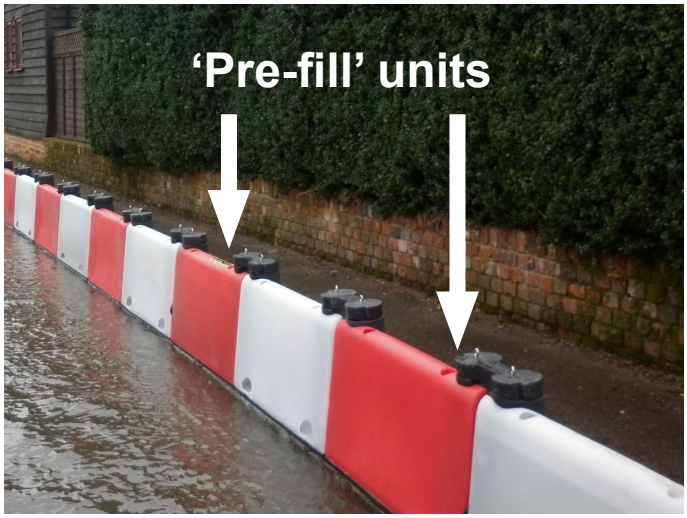
FLOODSTOP 0.5M HIGH

ASSEMBLY INSTRUCTIONS (AUG 2024)

Online details, including assembly videos, can be viewed at https://www.fluvial-innovations.co.uk/0-5m-high-flood-stop-barrier/. Please read the following instructions carefully before assembling and storing your FloodStop 0.5m system.

PREPARATION

Inspect ground conditions and clear any debris.
Position modular units out in a linear position for the chosen barrier length. Do not apply curvature until the barrier is fully assembled. Ensure that all self filling holes are able to fill with the rising water if a flood does occur. In a standard configuration - every second modular unit in an assembly should be a 'pre-fill' unit type. Any modular unit without holes cut out on the front face must be pre-filled with water ballast before use.



Insert connection keys ensuring each key is fully inserted. The base of each connection key should be in full contact with the ground. Correct insertion can be valiadated in one two ways:

1. Lean the two connected modular units over and visually inspect the base connection seal.
2. Ensure the crest of the universal key is raised by 70mm above the crest of the modular unit.

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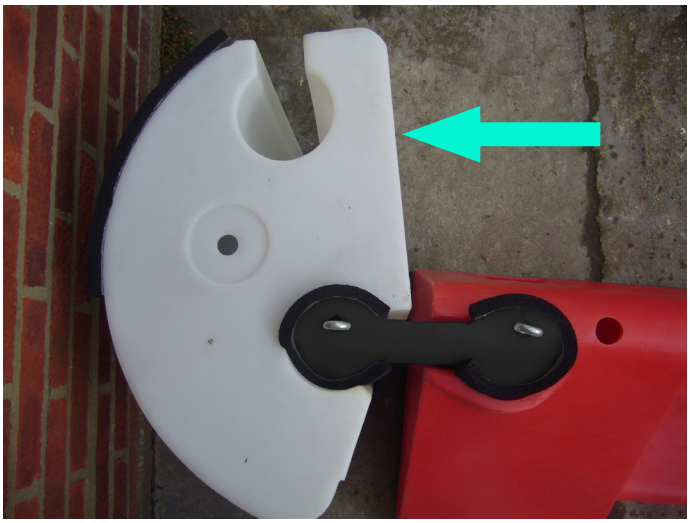
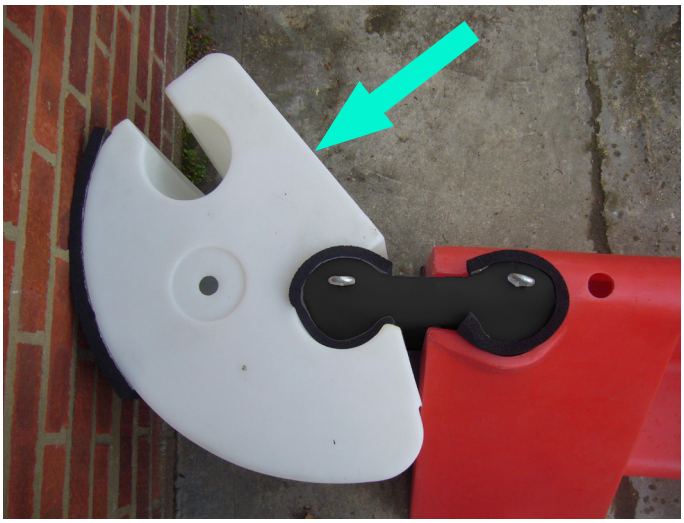
Once the universal keys are in place, curvature can be applied to the barrier if required. Fill the ‘Pre-fill’ units along the assembled FloodStop barrier with water. **‘Pre-fill’ units must be filled to the brim**. This ensures a preliminary seal along the base of the whole barrier.

To create a connection with an in situ object such as a wall - the ‘Multi-hub’ unit should be employed. Simply connect the unit to the end of the assembled FloodStop barrier:

1. Rotate the ‘Multi-hub’ unit into the wall, ensuring the vertical foam gasket is placed under firm pressure*.
2. Fill the ‘Multi-hub’ unit with water, securing it in position.
3. If the flood water flow is expected to be significantly high, a wedge can be used to fix the rotation of the ‘Multi-hub’.

**Please ensure side gasket is pre-applied to the side of the ‘Multi-hub’ if being used for wall connection.*





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DISASSEMBLY INSTRUCTIONS (AUG 2024)

- Remove all connection keys - see specific details below*.
- Unscrew water-release caps from ‘pre-fill’ units and tip units over carefully.
- Re-screw water-release caps and pack system away.

*When removing the ‘connection key’ for disbandment - for assistance we recommend you use the supplied ‘key handle’ to remove with ease. The supplied ‘key handle’ can be fitted into the two eyelets on the top surface of the ‘connection key’. Once inserted the ‘connection key’ can be pulled out.

PACKING/STORING GUIDELINES

If your FloodStop barrier is not left deployed when not in use, we advise that the system be covered well and stored indoors. If the ‘connection key’ components are being stacked, please place thick cardboard between each layer to prevent gasket damage. This keeps your system in good quality, removes prying hands and keeps debris away. You and your team can then be confident that when the barrier is deployed in action everything will be as it should be.

NOTES

- If the wall or ground surface is not adequately flat (i.e. where FloodStop’s foam gaskets are not in contact) the seepage rate may vary - it is recommended to have a small pump on hand to pump away excess leakage if required. The system is not recommended for use on gravel or polished surfaces.
- Ledges on the back and top surface of the FloodStop 0.5m units can be used to apply further ballast - such as sandbags.
- Depending on how the system has been assembled (terrain/number of ‘pre-fill’ units/velocity of water) when the flood waters reach approx. 78-80% of the flood barrier height, negative buoyancy will start to begin. This may cause the system to slide. There are two ways to assist in countering this:
    - Locating individual ‘pre-filled’ (with water) FloodStop units behind the barrier at a spacing of approximately every 3-4 meters.
    - Applying more ballast (such as sandbags and sand) on/in the system.

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