FLOODSTOP 0.65M HIGH

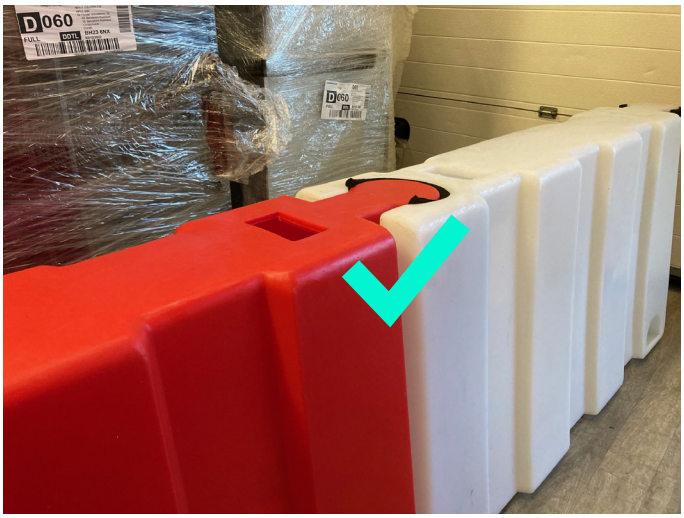
ASSEMBLY INSTRUCTIONS (AUG 2024)

Online details, including assembly videos, can be viewed at https://www.fluvial-innovations.co.uk/0-65m-high-flood-stop-barrier/. Please read the following instructions carefully before assembling and storing your FloodStop 0.65m 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.

Ensure that each FloodStop unit is fully assembled. The key way should be **fully pressed down**. The gasket should be in contact with the ground terrain.



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An easy way to fully insert the key-way is to use a small block of wood (or similar) under the receiving unit. Place the block under the edge if the receiving unit and then press down on the male end unit.

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.

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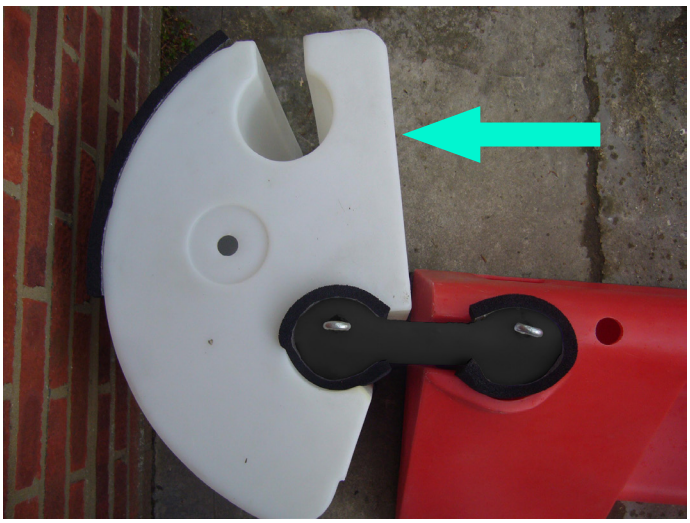
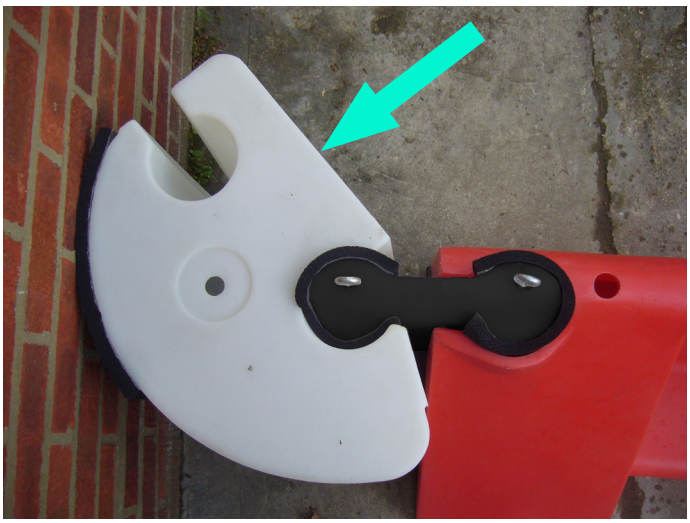
To create a connection with an in situ object such as a wall - the ‘Multi-hub’ unit should be employed. Simply connect the unit to the end of the assembled FloodStop barrier:

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.*





Note 1:
It is recommended that the modular unit placed next to a ‘Multi-hub’ (which is being used for wall connection or corner) is a ‘pre-fill’ unit type where possible.

Note 2:
You may require a ‘lower key’ component to connect up the female end of the FloodStop 0.65m to a ‘Multi-hub’ unit. Simply insert the ‘lower key’ and use a mallet/ sledgehammer to tightly tap it so that it is fully inserted.

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DISASSEMBLY INSTRUCTIONS (AUG 2024)

- Drain water from ‘pre-fill’ units by unscrewing the water-release caps.
- Remove any ‘lower key’ components from assembly (see specific details below*).
- Disband/lift out the individual modular units.
- Re-screw in water release caps once units are fully drained and pack system away.

*When removing the ‘lower key’ for disbandment - for assistance we recommend you use a lever in conjunction with the supplied ‘Lower key handle’ to remove with ease. The supplied ‘Lower key handle’ can be fitted into the side and upper surface of the ‘lower key’ via the two holes. The lever can then be used to slowly pull out the key component.

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 ‘lower 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 0.65m 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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