

The 2nd Generation Demountable Flood Barrier NFP-50 Operation and Maintenance Manual

A. Against the flood threats, prepare all accessories (except for those been permanently installed already at initial installations) for rapid deployment of flood defense, including:

1. Removable central posts (if any) and its fixing bolts.
2. Removable aluminum barrier panels.
3. Downwards pressing tools.
4. EPDM base seal.
5. Installation tools including large hexagonal wrench (for rotating pole's side pressing), small hexagonal wrench (for downwards pressing at top), and other wrenches (for removable post fixing).

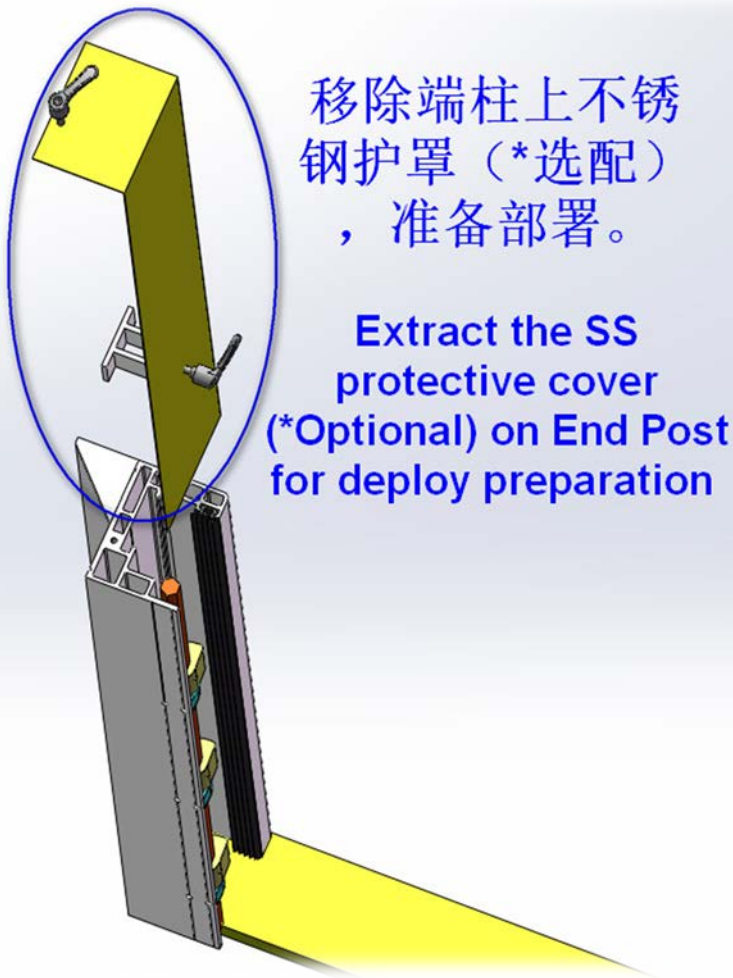


B. Install the removable flood barrier (if any) :

1. Clean the top surface of the anchor plate in ground.
2. Remove the protective bolt in the top plate with the matching wrench.
3. Place the removable central post sitting on the anchor plate and align the bolt holes.
4. Put in the fixing bolts and tighten them with the matching wrench (Please half- tighten them one by one for positioning first, and then fully tighten them to avoid thread misalignment).

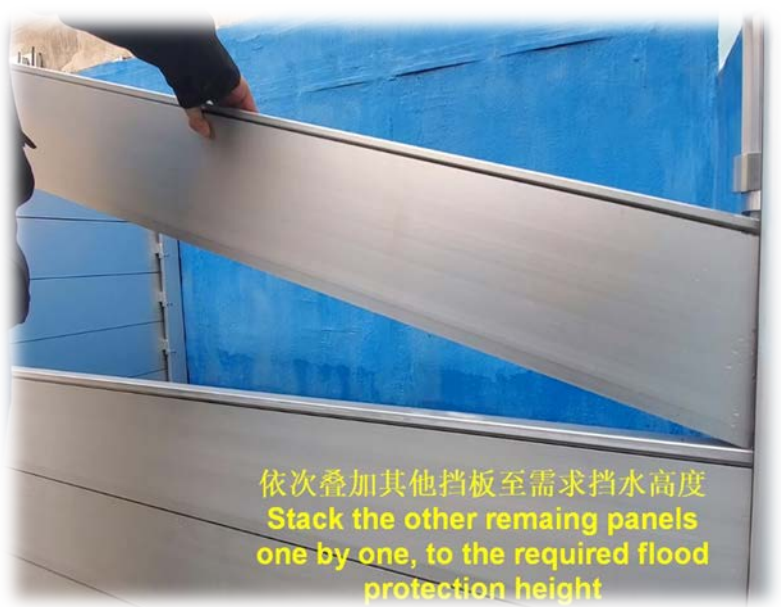


C. Remove the SS protective cover of the end post (*optional) on wall for deployment preparation



D. Barrier panel deployment:

1. Pick any a panel, and insert base EPDM seal in the corresponding length at panel bottom (Note: this panel must be placed at the bottom contacting the ground).
2. Place this panel on ground first, adjacent to the EPDM gaskets in post interior, pay attention that both of panel ends should fully reach the EPDM gaskets in post.
3. Stack the remaining barrier panels on top one by one to reach the required flood protection height.



E. The compression procedure

1. Rotate the aluminum rotating pole inside the post with large Allen wrench, to have the locking blocks reach the 1st locking position to align the panels first, please kindly note now the locking blocks should NOT be rotated to the final position.
2. Slide in the downwards pressing tool into the channel of the post from top, and tighten the bolts to generate downwards compression.
3. Continue rotating the aluminum rotating pole to have the locking blocks to reach 2nd locking position to finish the deployment.

转动柱内旋转杆，抵达初步压紧位，目的是对齐所有板材，为下一部下压做准备

The 1ST locking position to align all panels preparing for next downwards pressing

划入下压扣件，杯底坐于挡板顶部后，锁紧进行下压止水

Slide in the pressing tool and tighten to downwards compress

最后转动旋转杆至最终锁定位，整个部署完毕。

初步压紧位
1ST Locking Position
最终锁定位
2ND Locking Position

Finally rotate the pole again, to reach 2ND locking position to finish the full deployment



F. For dismantlement after flooding event, please reverse the above operation.

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- A. All parts must be dried out after dismantling, and removable parts must be stored in a dry place and out of direct sunlight.
- B. Removable central posts (if any) and barrier panels must be stacked securely so that they do not fall over from daily impact. Optional pallet racking for storage is available on request.
- C. After dismantling, please check that all parts are intact to avoid loss of parts that could affect the next emergency deployment in case of flooding.
- D. If the project includes a removable central post, after the post has been removed, please remember to put the protective bolts in the anchor plates promptly, to keep the dust and debris from getting in to block the bolt holes.
- E. Before every deployment and after removal, please check if any broken on all the gaskets (including the EPDM gasket inside the post, the small EPDM gasket at the top of panel, the large EPDM seal at the base, and the self-adhesive rubber pad at the bottom of the central post (if any), and replace if any damage is found. 10% spare parts free of charge will be supplied in delivery.
- F. Please keep the installation tools and dismantled parts (all bolts, pressing tools, base EPDM seal, etc.) in good condition.
- G. If the optional stainless steel protective cover is available for the end posts, please install them for daily protection after each removal.
- H. We offer a 1-year warranty for our products as a whole (non-human damage, such as breakage and deformation caused by rough handling during handling and deployment, etc.).
- The main structure of this product is made of aluminium alloy, which is a strong and thick material with a simple construction principle and a theoretical lifespan of up to 20 years.
- (Other quick-wearing parts such as the EPDM gaskets have a theoretical life of up to 5 years, but in order to maintain the best water tightness, we recommend replacing the EPDM gaskets by every 3 years.)
- For out of warranty purchases, please contact us or our local distributor or agent.

※ Please check our Youtube link for more info on deployment: https://youtu.be/k_FeNukkrw



STOP THE FLOOD RIGHT HERE!



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