



BEFORE



AFTER



# Capillary Bunkers

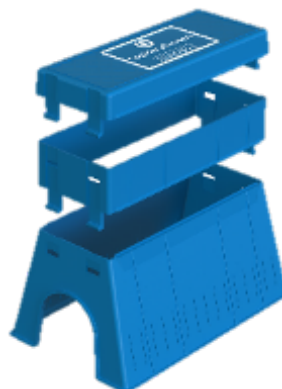
Wash Box

## Capillary Wash Box - A Revolutionary Invention!

For the first time ever, bunker sand can now be washed clean and into a perfect moisture holding state – without the sand having to be removed from the bunker!

- Wash your bunker sand without removing it
- The only liner that can withstand high-pressure irrigation water beam
- A “chimney” removes water from surface with dirt only
- Creates dryer bunker sand in a few hours
- Conditions your sand back to new again

This not only cleans the sand but also allows the sand to dry out more in the base of the bunker where fine particles accumulates over time. This is an excellent way to condition bunker sand and improve performance and playability without having to replace or add any new sand.





## INSTALLATION GUIDELINES

The Capillary Wash Box is installed in the Vault in the lowest part of the bunker. If your Vaults already exist, please neglect step 2 below.

- 1 Locate the drain-pipe in the bunker and select the lowest point of the bunker floor atop the pipe for the location of the Vault (if Vaults already exist, please locate the Vault and move to step 3)
- 2 Remove the sand and cut out an area approximately 1 ft wide and 3 ft long and remove the Capillary Concrete
- 3 Remove drain gravel, dirt and completely expose the pipe
- 4 Cut a hole in the top of the pipe, approximately 2 inches wide and 6 inches long in the center of the Vault so it will be in the center of the Wash Box
- 5 Place the Wash Box with the lid mounted on it on top of the pipe, making sure it is set all the way down to the top of the pipe and that the top of the lid is below the top level of the Capillary Concrete in the bunker floor
- 6 Cut a piece of fabric large enough to cover the walls of the Vault and cut an X in the middle and slide it over the Wash Box
- 7 Backfill the Vault with clean bunker sand

## WASHING INSTRUCTIONS

The Capillary Wash Box and this system is designed to only remove organic material (algae, clippings, leaves etc.) and particles smaller than 0.05 mm, which will float in water for some time. These are the particles that usually contaminate bunkers and change infiltration rates, and they can be effectively removed by following the below instructions.

- 1  
Locate the Vault with the Wash Box and remove the bunker sand to expose the lid
- 2  
Remove the lid and place enough Extensions (the middle part of the Wash Box) to where the top of the last Extension is above the top of the sand surrounding the Vault
- 3  
Connect a hose with nozzle to the irrigation system and start by washing the immediate area surrounding the Wash Box to make sure the sand layer is never above the top edge of the Wash Box Extension. This must be done from time to time while washing not to have larger sand particles enter the drainage pipe
- 4  
Now start as far away from the Wash Box as possible and wash the sand with a water beam from the nozzle that is at least 2 ft wide
- 5  
Work the water beam so that the sand does not displace too much, merely gets turned around and washed in its place. You may have to push the dirty water along to reach the Wash Box from time to time
- 6  
Be sure to wash all the way to the edge of the bunker as there is often an excess of sand located there and we seek to re-establish the original sand depth and edge
- 7  
On steeper faces, be careful not to wash too deep if not necessary as the sand will have to be pushed back up the face after washing
- 8  
From time to time, check the drainage pipe in the Wash Box to make sure larger sand particles do not wash into the pipe and clog it. Some particles will inevitably reach the pipe, and the pipe must be washed clean by directing the water beam into the pipe, but this should not have to be done more than once or twice and after completing the entire bunker when the pipe must be cleaned at least for 5 minutes
- 9  
After completion, the sand must be pushed back to ensure a uniform sand layer in the bunker, and often times new, clean sand must be added to reach the desired sand depths throughout the bunker