



# Modular Wetlands Fiberglass

For Downspout Applications

A Stormwater Biofiltration Solution



# OVERVIEW

The Modular Wetlands® Fiberglass is an adaptation of our flagship Modular Wetlands® Linear and is designed to be used specifically as an above-ground planter box for the treatment of roof runoff.

The system is lightweight, available in various sizes, and easy to install without the use of any heavy equipment. All models are available with high flow bypass.

The Modular Wetlands® Fiberglass offers pretreatment to collect leaves and debris for easy removal. The advanced biofiltration chamber offers maximum treatment capacity in a minimal footprint, making it an excellent choice for industrial sites looking to meet permit benchmarks for various pollutants, including dissolved metals.



# OPERATION



Half-Cut View



- 1 Trash and debris are separated (for easy removal) before entering the sediment storage chamber.
- 2 Runoff passes through the debris collection tray and enters the sediment storage chamber to capture TSS.
- 3 As water builds in the sediment storage chamber, it processes through the system's pre-filter box containing BioMediaGREEN and patented horizontal flow biofiltration bed to remove dissolved and particulate metals and nutrients among other pollutants of concern.

## PERFORMANCE

**86%**  
REMOVAL OF  
DISSOLVED  
ZINC

**65%**  
REMOVAL OF  
DISSOLVED  
COPPER

**85%**  
REMOVAL OF  
TSS

**64%**  
REMOVAL OF  
TOTAL  
PHOSPHORUS

**45%**  
REMOVAL OF  
TOTAL KJELDAHL  
NITROGEN

• PROVEN IN THE FIELD TO REDUCE POLLUTANT CONCENTRATIONS BELOW INDUSTRIAL BENCHMARKS

## ADVANTAGES

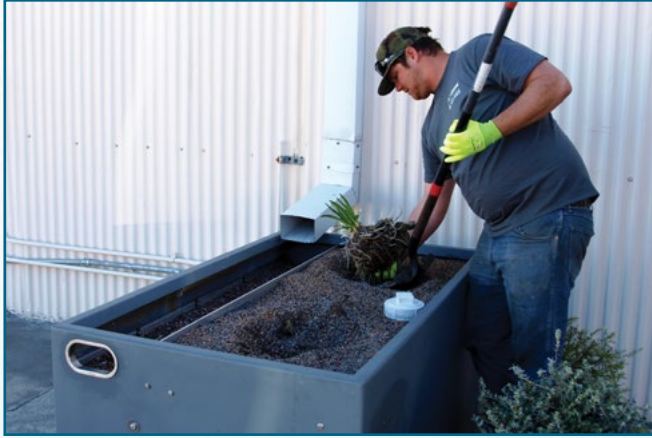
- LIGHTWEIGHT AND DURABLE FIBERGLASS CONSTRUCTION
- HIGH FLOW RATES AND MAXIMUM SURFACE AREA
- PROVEN POLLUTANT REMOVAL FOR TSS, BACTERIA, METALS, AND NUTRIENTS
- 1-YEAR WARRANTY
- CUSTOM SIZES AVAILABLE
- FITS IN SHALLOW CATCH BASINS
- MEETS LEED REQUIREMENTS
- EASILY RETROFITTED TO TREAT EXISTING BUILDING ROOF RUNOFF
- AVAILABLE IN VARIOUS TEXTURES AND COLORS
- CAN BE CONFIGURED FOR INFLOW PIPING, ALLOWING IT TO BE PUMPED TO
- NO NETS OR GEOFABRICS
- 15+ YEARS USER LIFE
- NO REPLACEMENT COSTS AS FOUND WITH FABRIC FILTERS

## SIZING CHART

MODEL #	MODEL HEIGHT (ft.)	TREATMENT FLOW RATE (cfs)
FG-MWS-L-3-5-3	3.0	0.044
FG-MWS-L-6-6-3.5	3.5	0.120



# INSTALLATION

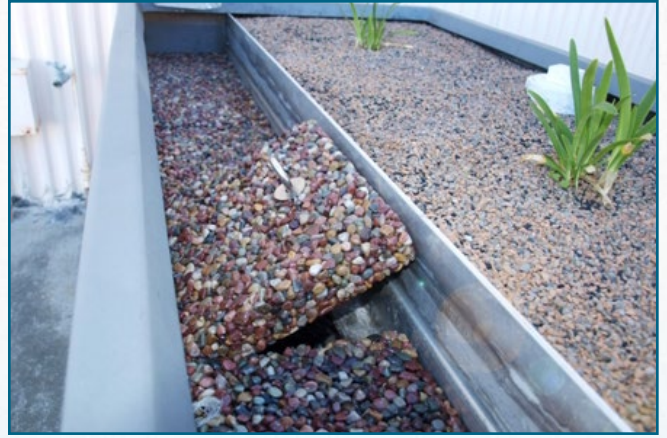


All models are delivered fully assembled and can be installed in less than 15 minutes.



Once the unit is set in place, it is ready for operation.

# MAINTENANCE



The debris collection tray allows for fast and easy maintenance. The sediment storage chamber is easily accessible for removal of accumulated material.

**Bio Clean**  
A Forterra Company

398 Via El Centro  
Oceanside, CA 92058  
855.566.3938  
stormwater@forterrabp.com  
biocleanenvironmental.com