

All-Natural Water Treatment

Systems for Recycle or Discharge to Irrigation

1600 Gallon Tank Capacity

BioStax 900 Microbial Blend Recommended

■ Water flows through the stainless steel hydroscreen separating grass clippings which fall into the grass cart for Easy **Grass Disposal**.

■ The **Air Pump** aerates wastewater within the WaterStax tanks creating an ideal environment to promote aerobic biological growth.

■ Suspended solids separate and settle in the **Clarifier Tank** for easy removal and disposal.

■ The **Polishing Tank** provides solids separation, biodegradation and polishing prior to discharge.

■ Stainless steel mesh lined **Grass Cart** for easy dewatering and handling of grass clippings.



■ Proprietary **BioStax 900 Microbe Solution** uses time-sequenced aeration of bacteria to control odor and create degradation of Total Petroleum Hydrocarbons (TPH), herbicides, insecticides and pesticides (HIPs). BioStax microbes are certified by the American Type Culture Collection (ATCC) as gram positive, pathogen-free, Class 1 organisms.



WSR-1000D

■ The **Sludge Valve** provides an easy way to remove sludge and has a back-wash valve for convenience in performing a freshwater flush of the system; optional auto purge available for automatic solids removal.

■ High-density, crosslinked polyethylene extra-durable **WaterStax Tanks** are extra-resistant to chemical fatigue and ultraviolet exposure. The polyethylene also attracts oils and organics providing additional surface area for biological growth.

■ Conveniently located **Hose Connections** are clearly labeled for water inlet, fresh-water make-up, rainwater overflow and recycling (WSR-1000D only).



■ A sturdy metal cabinet, protected by a powder-coat epoxy finish, houses the **Control Center**, including a BioStax timer, dispensing pump, transfer pump, and pressure tank. On the front panel, a water-resistant Nema 4 fiberglass control box protects electrical componentry.

■ Specially designed layers of **Biological Media** create an ideal breeding ground for aerobic bacteria to quickly multiply and consume hydrocarbon based contaminants, converting them to harmless H₂O and CO₂.

■ High-output Corona Discharge (CD) **Ozone Generator** with ozone pump injects up to 1.25 grams per hour of ozone for additional polishing of the water in Tank #4 of the WSR model where it is held until needed.

■ Submersible, cast iron **Sump Pump** is designed to handle grass clippings and heavy solids.

■ Using an oleophilic, or oil-loving, polypropylene bio-filter, the **Bioremediation Tank** removes petroleum hydrocarbons and HIPs from the waste stream.

WS

WaterStax Wash-Water Treatment Systems Using Bioremediation Technology

All-Natural Water Treatment | Systems for Recycling or Discharging to Irrigation | 1600 Gallon Tank Capacity

Using bioremediation, the WaterStax is a low-cost, low-maintenance alternative to protecting your investment by treating wash water in golf course and turf applications. Wash-water processed through the WaterStax can be recycled, discharged to the sanitary sewer or released onto a lawn as irrigation.

The WaterStax affordably removes oil, grease, hydrocarbons and grass clippings from wash water generated from lawn or field equipment washing. Typically the WS-1000D is ideal for an 18-hole golf course and the WS-2000D for a 36-hole course. The WSR-1000D is a total recycle system for either an 18- or 36-hole golf course wash facility.

Unlike filtration systems, which create a residual sludge that must be disposed of, the WaterStax uses a highly effective blend of microbes, called BioStax 900, to naturally convert wastes into harmless water and carbon dioxide.

Other features include: high-density, crosslinked, polyethylene tanks; water-resistant, metal cabinet with electronic controls; and a CD ozone generator.



BioStax 900 (100 for Hawaii) microbial solution comes in 8 oz. vial, 5 gal. pails or 55 gal. drums

WS Specifications

RECYCLE SYSTEM

MODEL	WSR-1000D	WS-2000D	WS-1000D	
Designed For	Recycle	Discharge	Discharge	
Daily Processing Capacity	1500 gal.	2000 gal.	1000 gal.	
Flow Rate*	0-15 GPM [†]	0-20 GPM [†]	0-15 GPM [†]	
Electrical	(2) 120V 1ph 20A circuits	120V 1ph 20A	120V 1ph 20A	
Sump Pump	1/2 hp Submersible	1/2 hp Submersible	1/2 hp Submersible	
Tank Material	HD Crosslinked Polyethylene	HD Crosslinked Polyethylene	HD Crosslinked Polyethylene	
Number of Tanks	4	4	3	
Tank Capacity	1600 gal.	1600 gal.	1200 gal.	
Bio-Media	3616 sq.ft.	3616 sq.ft.	2087 sq.ft.	
Aeration	4.5 CFM @ 10 psi	4.5 CFM @ 10 psi	4.5 CFM @ 10 psi	
CD Ozone Generator	1.25 grams / hr	N/A	N/A	* Flow rate is limited to the daily processing capacity
Ozone Pump	3/4 hp	N/A	N/A	
Transfer Pump	1/2 hp	Optional	Optional	
Dimensions (L x W x H)	195" x 72" x 80"	195" x 72" x 80"	147" x 72" x 80"	† 50 GPM flow rate is available upon request
Ship Weight	1,685 lbs.	1,685 lbs.	1,470 lbs.	

Distributed by:

OPTIONS INCLUDE: BioStax 900 and BioStax 100 Hawaiian Blend, both in 8 oz. vials, which makes 5 gallons or a typical one-month supply; auto-purge system for automatic removal of sludge from tanks; and a hydroscreen side mount for prescreening grass clippings in the wash water.

See your Water Maze Dealer for part numbers and pricing.

water  **maze**
WATER TREATMENT SYSTEMS

PN #97-0094 Effective 9/04 800-535-0941 Fax: 800-535-9164 info@wmaze.com
Specifications and product descriptions subject to change without notice. © 2004

www.wmaze.com