

BIO Series

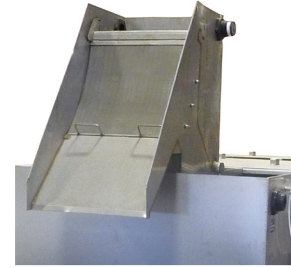
WATER TREATMENT SYSTEMS



BIO Series Accessories

Waterfall Filter - RC-0008-0001

The grass clippings and water are pumped from the wash catch pits to the Waterfall Filter. The Waterfall Filter is equipped with a wedge wire screen that separates the grass from the water entering the Biological Water Treatment System. The water from the pit flows through the wedge wire screen and the grass cascades down the screen and is captured by the grass cart below. The water from the pit is then directed to the first weir of the Biological Water Treatment System, and continues through the system for further treatment. The wedge wire screen is designed to be easily removed for proper maintenance and cleaning.



Typical Applications include:

- Golf Courses
- Equipment wash pads
- Municipalities
- Rental yards

| MODEL NUMBER | MATERIAL OF CONSTRUCTION | WIRE SCREEN | DIMENSIONS (LxWxH) | SHIP WT. |
|--------------|-------------------------------|---|---------------------|----------|
| RC-0008-0001 | 16 gauge/304L stainless-steel | 304L stainless-steel, rated to 40-45 mesh | 36in.x20.5in.x25in. | 100 lb. |



3-0216



3-0328



56-0069 & 56-0070



RC-0004-0002

Accessories:

| PART NUMBER | DESCRIPTION | FITS MODELS |
|--------------|--|--------------------------------|
| 21-0152 | Tank-mount bracket - Used to mount waterfall filter RC-0008-0001 to BIO-tank, stainless-steel, for stainless-steel tanks | BIO-20, BIO-25 & BIO-35 models |
| 21-0153 | Wall-mount bracket - Used to mount waterfall filter RC-0008-0001 to wall | BIO-20, BIO-25 & BIO-35 models |
| 21-0213 | Tank-mount bracket - Used to mount waterfall filter RC-0008-0001 to BIO-tank, aluminum, for aluminum tanks | BIO-20, BIO-25 & BIO-35 models |
| 3-0216 | Submersible sump pump - Stainless-steel replacement, 1/2 HP, 230V, 1Ø, 5.0A | BIO-20, BIO-25 & BIO-35 models |
| 3-0220 | Peristaltic pump - Self-priming for passive automatic liquid microbe injection | All BIO models |
| 3-0328 | Replacement sump pump - Surface-mount, 1.0 HP, 130V, 8.0A | All BIO models |
| 3-0397 | Aeration pump - 1.5 HP, 1Ø, 115V/230V | BIO-25 & BIO-35 models |
| 3-0398 | Aeration pump - 1.5 HP, 3Ø, 208-230V/460V | BIO-25 & BIO-35 models |
| 3-0399 | Transfer pump - 2.0 HP, 1Ø, 115V/230V | BIO-25 & BIO-35 models |
| 3-0400 | Transfer pump - 2.0 HP, 3Ø, 208-230V/460V | BIO-25 & BIO-35 models |
| 32-0918 | Buck booster - Adjusts voltage on equipment, mounted on unit | All BIO models |
| 33-0491 | Trap and basket - 6-inch, used on #3-0328 replacement sump pump | All BIO models |
| 5-0200A01 | Cone bottom tank bracket, 300-gallons - Powder coated bracket to mount waterfall filter RC-0008-0001 | Consult factory |
| 55-0068 | Air fine-bubble injector, 2-inch - Mazzei used for aeration | BIO-20, BIO-25 & BIO-35 models |
| 56-0069 | Aluminum round sump pit - Lightweight aluminum design; 4-inch NPT inlet; 2-inch x 2-inch NPT and 1-inch x 3/4-inch NPT outlets, 52-gallon capacity | Consult factory |
| 56-0070 | Aluminum sump grating - Lightweight aluminum design, cover for #56-0069 sump pit | Consult factory |
| RC-0004-0001 | Grass cart - Grass from the waterfall filter RC-0008-0001 is collected and de-watered and be easily transported for disposal | All BIO models |
| RC-0004-0002 | Towable grass cart - Grass from the waterfall filter RC-0008-0001 is collected and de-watered and be easily transported for disposal | All BIO models |
| RC-0008-0001 | Waterfall filter - Water flows from the system while grass and debris are separated and dropped into the grass cart, 16-gauge/304L stainless-steel | All BIO models |
| RC-0009-0001 | BIO system filter - Filter before pressure washer, includes filter housing, filter, mounting bracket and wrench | All BIO models |
| RC-0010-0120 | Timed peristaltic pump, 120V - Self-priming for automatic liquid microbe injection | All BIO models |
| RC-0010-0208 | Timed peristaltic pump, 208V - Self-priming for automatic liquid microbe injection | All BIO models |
| RC-0010-0230 | Timed peristaltic pump, 230V - Self-priming for automatic liquid microbe injection | All BIO models |

BIO Series *Options*

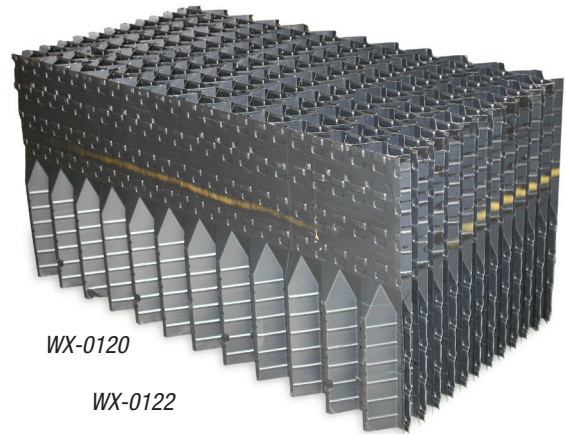
pH Control System - WX-0037

A desired pH set point is selected by the user and a pH adjustment chemical is metered into the wastewater, by a peristaltic pump, until the pH set point is achieved by either lowering or raising the pH.



Magnetic drive pumps

Options:



WX-0120

WX-0122

| PART NUMBER | DESCRIPTION | FITS MODELS |
|-------------|--|-----------------------------------|
| WX-0005 | Ozone - For specialized applications where sterilization of the waste stream is desired | BIO-25R-1M10 |
| WX-0014 | Pinch valve assembly - Pinch valve, bladder style (used on cone bottom tanks), 2-inch, 230VAC, single phase, may be accommodated as 115VAC, single phase | All BIO models |
| WX-0015 | Ozone - For specialized applications where sterilization of the waste stream is desired | BIO-35R-1M10 |
| WX-0029 | 550-gallon product tank expansion - For when larger volume of usable water is needed | All BIO models |
| WX-0031 | Tank heater - Promotes heat for microbes, needs its own power source | BIO-20R, BIO-25R & BIO-35R |
| WX-0037 | pH control system - For when pH adjustment is needed | Consult factory |
| WX-0040 | Ozone - For specialized applications where sterilization of the waste stream is desired | BIO-20D-1M10 |
| WX-0067 | Magnetic drive pump - 230V, 1Ø, seal-less pump | BIO-20 models |
| WX-0068 | Magnetic drive pump - 208-230V, 3Ø, seal-less pump | BIO-20 models |
| WX-0069 | Magnetic drive pump - 460V, 3Ø, seal-less pump | BIO-20 models |
| WX-0070 | Magnetic drive pump - 230V, 1Ø, seal-less pump | BIO-25 models |
| WX-0071 | Magnetic drive pump - 208-230V, 3Ø, seal-less pump | BIO-25 models |
| WX-0072 | Magnetic drive pump - 460V, 3Ø, seal-less pump | BIO-25 models |
| WX-0073 | Magnetic drive pump - 230V, 1Ø, seal-less pump | BIO-35 models |
| WX-0074 | Magnetic drive pump - 208-230V, 3Ø, seal-less pump | BIO-35 models |
| WX-0075 | Magnetic drive pump - 460V, 3Ø, seal-less pump | BIO-35 models |
| WX-0089 | Ozone - For specialized applications where sterilization of the waste stream is desired | BIO-20R-1M10 |
| WX-0093 | Sloped bottom tank, stainless-steel - Makes regular scheduled maintenance easier | BIO-25R-1M10 |
| WX-0095 | Sloped bottom tank, stainless-steel - Makes regular scheduled maintenance easier | BIO-35R-1M10 |
| WX-0100 | BIO sump pump swap - Customized option, converts submersible pump to surface-mount sump pump | BIO-20R, BIO-25R & BIO-35R models |
| WX-0120 | High solids media - Allows for debris to travel easily through media with vertical design | BIO-20 models |
| WX-0121 | High solids media - Allows for debris to travel easily through media with vertical design | BIO-25 models |
| WX-0122 | High solids media - Allows for debris to travel easily through media with vertical design | BIO-35 models |

*Ozone is not available on Marine Aluminum models.
The magnetic drive pumps carry a longer manufacturers warranty.*