

BIO Series

WATER TREATMENT SYSTEMS



This popular BIO Series Systems utilize fixed-film bacteria in conjunction with coalescing media. Various tank sizes and flow rates are used to create retention time for the treatment of wastewater streams. Oxygen is supplied to the bacteria in the waste stream by venturi injection.

Biological Recycle Systems/Clarifier



BIO-15-0M10 shown with ozone option (WX-0020)

A water-wash recycle system with enhanced design technology offering:

- Cone-shaped tank for easy handling of accumulated solids
- Quality recycled wash-water without common odor problems
- Easy operation and maintenance that saves you time and money
- Conveniently located instrument panel and controls (CSA listed)
- Heavy-duty, corrosive-resistant and UV-resistant poly-skid base

System provides efficient handling of tough organic applications, such as:

- **Golf Courses** - Designed to handle equipment wash-water for various golf course configurations
- **Solid-Waste Haulers** - Able to effectively treat vehicle wash-water, like that from garbage trucks
- **Food Processing Plants** - Pre-treatment of broad range of food processing waste-water before discharging
- **Petro-Chemical** - Capable of treating waste streams containing multiple, organic particulate matter
- Anything with organic compounds in waste water

Features:

- CSA listed NEMA-4 rated corrosion-proof control panel for safe and reliable operation
- Peristaltic pump is self priming for passive automatic liquid microbe injection. This drastically reduces the amount of hands-on operation time required.
- Mazze® venturi air injection system sustains beneficial aerobic microbes, while preventing bacteria from turning odoriferous and anaerobic.

MODEL NUMBER	FLOW RATE	CLARIFIER TANK	MEDIA FILTER	CARTRIDGE FILTER	CARBON FILTER	OIL COALESCING AREA	OZONE GENERATOR	POWER REQUIREMENTS	DIMENSIONS (LxWxH)	SHIP WT.
WCP-10-0M10	0-10 GPM	300 gallons	250 lb.	150 sq. ft.	110 lb.	275 sq. ft.	6 grams/day	230V, 1Ø, 26.0A	5ft.x8ft.x9ft.	2400 lb.
WCP-10AB-0M10*	0-10 GPM	300 gallons	250 lb.	-	110 lb.	275 sq. ft.	6 grams/day	230V, 1Ø, 30.0A	5ft.x8ft.x9ft.	2400 lb.
WCP-10AB-0M30*	0-10 GPM	300 gallons	250 lb.	-	110 lb.	275 sq. ft.	6 grams/day	230V, 3Ø, 15.0A	5ft.x8ft.x9ft.	2400 lb.
WCP-20-0M10	0-20 GPM	600 gallons	350 lb.	400 sq. ft.	165 lb.	425 sq. ft.	12 grams/day	230V, 1Ø, 26.0A	6ft.x8ft.x9ft.	2500 lb.
WCP-30-0M10	0-30 GPM	600 gallons	900 lb.	400 sq. ft.	165 lb.	425 sq. ft.	12 grams/day	230V, 1Ø, 38.0A	6ft.x9ft.x9ft.	3470 lb.
WCP-30AB-0M10*	0-30 GPM	600 gallons	900 lb.	-	165 lb.	425 sq. ft.	12 grams/day	230V, 1Ø, 38.0A	6ft.x9ft.x9ft.	3470 lb.
WCP-30AB-0M30*	0-30 GPM	600 gallons	900 lb.	-	165 lb.	425 sq. ft.	12 grams/day	230V, 3Ø, 20.0A	6ft.x9ft.x9ft.	3470 lb.

*Auto-backwash models (air required 60 to 100-PSI)

230/208/460V 3-phase available.

OPTIONS:

PART NUMBER	DESCRIPTION	FITS MODELS
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 models
WX-0123	460V, 3Ø	WCP-10AB-0M30

BIO Series *Custom Biological Combination Units*

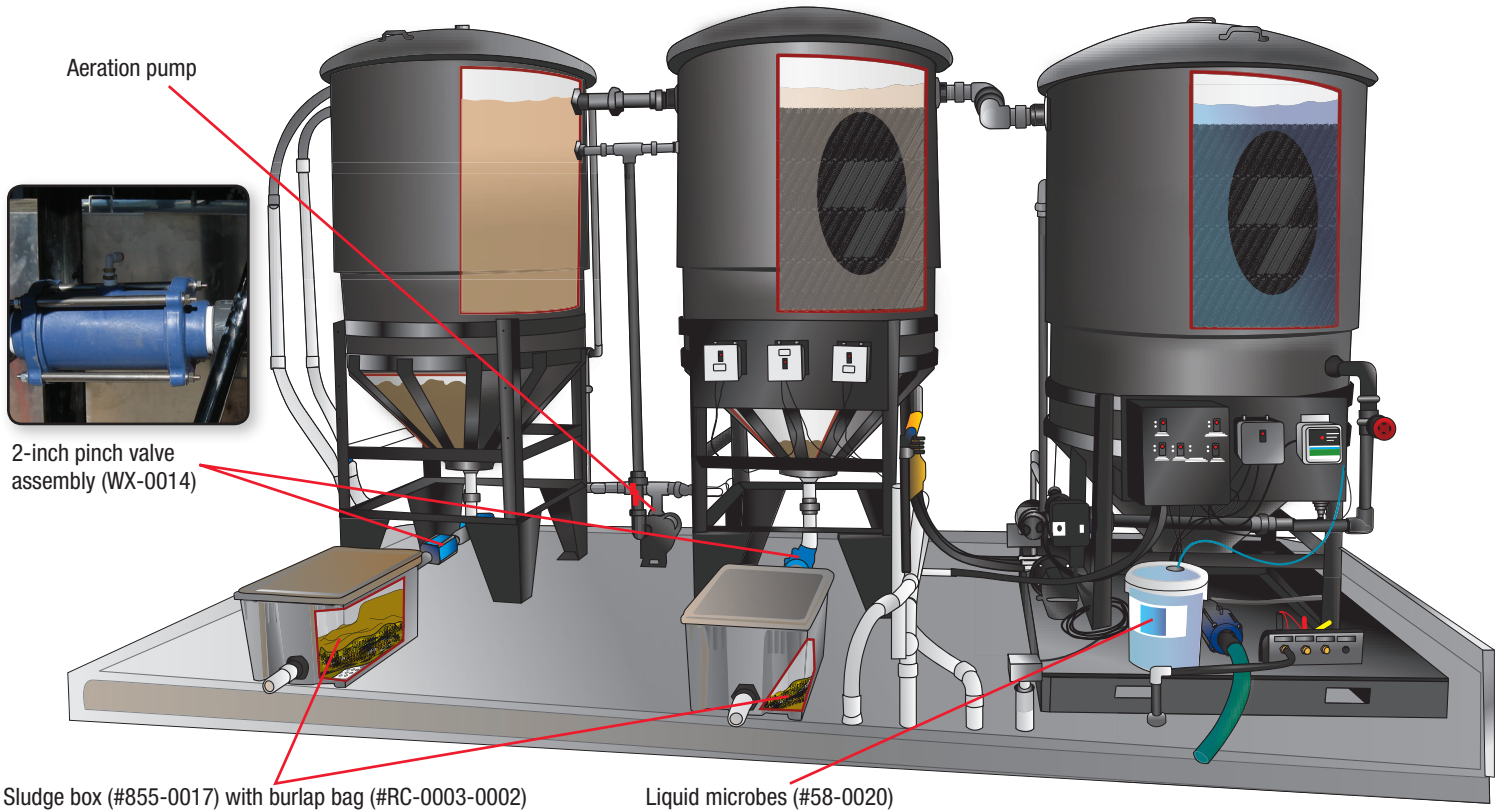
Optional custom biological units are available within the BIO Series family to satisfy your specific applications needs. These set-ups offer your choice of 300-gallon or 600-gallon tank(s). Please contact us for more information about available BIO Series combinations, or how we can custom-build a water treatment system to meet your requirements.

Just one of several examples of a custom biological set-up.

WTA-600-0M11
Optional Settling Tank – Shown with optional tank stand extension legs

WTA-600SA-0M11
Optional Tank includes Coalescing Aeration Media and Peristaltic Pump – Shown with optional tank stand extension legs

BIO-15-0M10



MODEL NUMBER	FLOW RATE	CLARIFIER TANK	MEDIA	SUMP PUMP (INCLUDED)	TRANSFER PUMP	POWER REQUIREMENTS	DIMENSIONS (LxWxH)	SHIP WT.
BIO-15-0M10*	0-15 GPM	600 gallons	1,300 sq. ft.	1.0 HP	3/4 HP	230V, 1Ø, 20.0A	5ft.x8ft.x110in.	1250 lb.
BIO-15-0M30*	0-15 GPM	600 gallons	1,300 sq. ft.	1.0 HP	3/4 HP	230V, 3Ø, 15.0A	5ft.x8ft.x110in.	1250 lb.

*Includes sump pump and peristaltic pump. 230/208/460V 3-phase available on all models as options.

Accessories:

PART NUMBER	DESCRIPTION	FITS MODELS
55-1887	Check valve, 2-inch - Holds prime in suction line	BIO-15 models
855-0017	Sludge box - Plastic box designed to hold the sludge bags	BIO-15 models
RC-0003-0002	Biodegradable sludge bags - Designed to capture the sludge while allowing the water to flow freely out, 5 qty.	BIO-15 models

More accessories listed on pages 7 and 8.

Options:

PART NUMBER	DESCRIPTION	FITS MODELS
WX-0020	Ozone - For specialized applications where sterilization of the waste stream is desired	BIO-15-0M10
WX-0024	Pit float location - Customized option	BIO-15-0M10
WX-0030	BIO sump pump swap - Customized option, converts surface mount sump pump to submersible sump pump, 1Ø, 230V	BIO-15-0M10
WX-0041	165-gallon product tank upgrade - For when a larger volume of usable water is needed	BIO-15 models
WX-0042	Product tank overflow - Allows product water to cycle back to collection pit	BIO-15 models
WX-0064	Magnetic drive pump - 230V, 1Ø, seal-less pump	BIO-15-0M10
WX-0065	Magnetic drive pump - 208-230V, 3Ø, seal-less pump	BIO-15-0M30
WX-0066	Magnetic drive pump - 460V, 3Ø, seal-less pump	BIO-15-0M30
WX-0101	BIO sump pump swap - Customized option, converts surface mount sump pump to submersible sump pump, 3Ø, 230V	BIO-15-0M30

More options listed on pages 7 and 8.

