

# OPERATORS MANUAL FOR Mi-T-M® BIOLOGICAL PIT MANAGEMENT SYSTEM BPS-120M

CAUTION RISK OF INJURY! READ MANUAL BEFORE OPERATING! This manual is an important part of the Biological Pit Management System and must remain with the unit when you sell it!

Form #37-1136-081710

### CONTENTS

INTRODUCTION	3
PURPOSE	4
SPECIFICATIONS	4
CONTENTS OF BIOLOGICAL PIT MANAGEMENT SYSTEM	4
IMPORTANT SAFETY WARNINGS	
FEATURES	8
FLOW CHART	
INSTALLATION	
ATTIRE	
PREPARATION	
SETTING THE TIMERS	
TROUBLESHOOTING	
REPLACEMENT PARTS	
ASSEMBLY	
STATEMENT OF WARRANTY	14

# **AWARNING**

**Warning:** This product contains lead, a chemical known to the State of California to cause birth defects or other reproductive harm.

Wash your hands after handling this product.

## **AWARNING**

This product contains one or more chemicals known to the State of California to cause cancer and birth defects or other reproductive harm.

#### INTRODUCTION

Congratulations on the purchase of your new Mi-T-M Biological Pit Management System (BPS). You can be assured your Mi-T-M Biological Pit Management System (BPS) was constructed and designed with quality and performance in mind. Each component has been rigorously tested to ensure the highest level of acceptance.

This operator's manual was compiled for your benefit. By reading and following the simple safety, installation, operation, maintenance and troubleshooting steps described in this manual, you will receive years of trouble free operation from your new Mi-T-M BPS System. The contents of this manual are based on the latest product information available at the time of publication. Mi-T-M reserves the right to make changes in price, color, materials, equipment, specifications or models at any time without notice.

#### ! IMPORTANT !

#### ALWAYS PROVIDE A COPY OF THIS MANUAL TO ANYONE USING THIS EQUIPMENT. READ ALL INSTRUCTIONS BEFORE USING THIS BIOLOGICAL PIT MANAGEMENT SYSTEM AND ESPECIALLY POINT OUT THE "SAFETY WARNINGS" TO PREVENT THE POSSIBILITY OF PERSONAL INJURY TO THE OPERATOR.

Once the unit has been uncrated, inspect for signs of obvious or concealed freight damage. If damage does exist, file a claim with the transportation company immediately. Be sure that all damaged parts are replaced and that the mechanical and electrical problems are corrected prior to operation of the unit. If you require service, contact Mi-T-M Customer Service.

#### CUSTOMER SERVICE

#### CALL OUR TOLL-FREE NUMBER

#### for the Sales or Service Center nearest you!

#### 800-553-9053

#### Please have the following information available for all service calls:

- 1. Model Number
- 2. Serial Number
- 3. Date and Place of Purchase

#### PURPOSE

The Mi-T-M Biological Pit Management System is designed to offer an economical and environmentally safe solution to remediate waste water in an existing pit system. The Biological Pit Management System gives you the ability to aerate your pits and inject environmentally friendly bacteria to remove industrial waste from your process water. Mi-T-M utilizes bacteria that are naturally occurring (not genetically enhanced) and will not cause disease.

Mi-T-M has been involved in water products since the early seventies and our commitment to quality is passed on to our customers. But our commitment to the environment is passed on to our children.

MODEL	BPS-120M
ELECTRICAL	120V, 1H, 8 AMP, 60 HZ
LINEAR AIR PUMP (CFM)	3 - EACH PUMP
PERISTALITIC PUMP (ML/MIN)	48 / EACH PUMP
WEIGHT (LBS)	150
DIMENSIONS (L X W X H)	30" X 22" X 39"

### **SPECIFICATIONS**

### CONTENTS OF BIOLOGICAL PIT MANAGEMENT SYSTEM

Carefully unpack your new Mi-T-M Biological Pit Management System. Check the contents against the packing list. Contact the freight line if damage claim is required on and component. The following items are the basic equipment sent with your Biological Pit Management System:

- 1. Biological Pit Management Cabinet
  - a. Linear Air Pumps (qty 2)
  - b. Peristaltic Pumps (qty 2)
  - c. Control Timers (qty 2)
- 2. Rubber Air Hose with Check Valve (qty 2)
- 3. Air Stones (qty 2)
- 4. Chemical Feed Lines (for bacteria/nutrient injection) (qty 2)



-

### **IMPORTANT SAFETY WARNINGS**



HAZARD	POTENTIAL CONSEQUENCE	PREVENTION
RISK OF ELECTRIC SHOCK OR ELECTROCUTION	Serious injury or death could occur if the Biological Pit Management System is not properly grounded.	Installation of this unit, including all electrical connections, must comply with all local, state and national codes.
	Your Biological Pit Management System is powered by electricity and may cause electric shock or electrocution if not installed properly.	This product must be grounded. Connect to a GFCI circuit breaker when available. If the unit should malfunction or breakdown, grounding provides a path of least resistance for electric current to reduce the risk of electric shock. Do not ground to a gas supply line.
		Improper connection of the equipment- grounding conductor can result in a risk of electrocution. Check with a qualified electrician or service personnel if you are in doubt as to whether the system is properly grounded.
		Always be certain the unit is receiving proper voltage (+/- 5% of the voltage listed on the nameplate). Before installing electrical connections, be certain the power switches are in the "OFF" position.
		Keep all connections dry and off the ground.
	Electrical shock may occur if Biological Pit Management System is not operated properly.	DO NOT allow metal components of the Biological Pit Management System to come in contact with live electrical components.
		Never operate the Biological Pit Management System with safety guards/covers removed or damaged. Ensure all electrical covers are securely in place when unit is operating.
	Serious injury or death may occur if electrical repairs are attempted by unqualified persons.	Any electrical wiring or repairs performed on this Biological Pit Management System should be done by Authorized Service Personnel in accordance with National and Local electrical codes.
		Before opening any electrical enclosure, always shut off the Biological Pit Management System and drain the water. Disconnect the Biological Pit Management System from the power source. If the power disconnect is not in sight, lock it in the open position and tag it to prevent power usage. (Never assume the Biological Pit Management System is safe to work on just because it is not operating, it could restart at any time! Always disconnect from the power source.) Allow the Biological Pit Management System components to cool down.



### **IMPORTANT SAFETY WARNINGS**



HAZARD	POTENTIAL CONSEQUENCE	PREVENTION
RISK OF EXPLOSION OR FIRE	Serious injury or death could occur from an explosion or fire caused by a system electric spark.	This unit must be placed in an area that is well ventilated, free of flammable vapors, combustible dust, gases or other combustible materials.
RISK OF BURSTING	Serious injury or death could occur from bursting caused by excessive pressure in the system.	Do not mistreat the pressure gauges on the system. Pressure gauges will malfunction if they are subjected to excessive pressure, vibration, pulsation or temperature or if they are placed in an environment which causes corrosion of parts. Incorrect readings on a pressure gauge could mislead the operator and place him in a dangerous working condition. Do not use this Biological Pit Management System to pump flammable material! An explosion could occur from a gas vapor buildup inside the system.
	Serious injury may occur if attempting to start the Biological Pit Management System when the chemical or air lines are frozen.	In freezing temperatures, the unit must always be warm enough to ensure there is no ice formation in the lines. Do not start the Biological Pit Management System if it has been in a freezing environment without first allowing the lines to thaw.
RISK OF BURNS	Serious injury may occur from touching the electrical motor. This area can remain hot for some time after the Biological Pit Management System is shutdown.	Never allow any part of your body to contact the electrical motor until cooled.



### **IMPORTANT SAFETY WARNINGS**

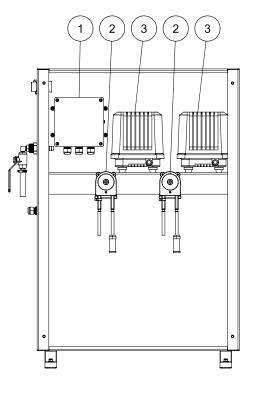


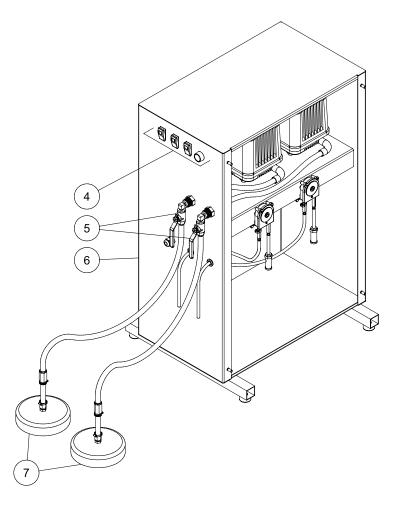
HAZARD	POTENTIAL CONSEQUENCE	PREVENTION
RISK FROM MOVING PARTS	Serious injury may occur to the operator from moving parts on the Biological Pit Management System.	Do not operate the unit without all protective covers in place. Follow the maintenance instructions specified in the manual.
	Injury may occur from the Biological Pit Management System.	DO NOT DRINK THE WATER TREATED BY THE BIOLOGICAL PIT MANAGEMENT SYSTEM!! This is non-potable water and is not suitable for consumption. DO NOT allow children to operate this unit. DO NOT overreach or stand on unstable support. Wet surfaces can be slippery, wear protective foot gear and keep good footing and balance at all times. Know how to stop the Biological Pit Management System. Be thoroughly familiar with controls. Before servicing components, ALWAYS shut off the Biological Pit Management System. Consult Material Safety Data Sheets (MSDS) for safe handling of system, especially bacteria and nutrients.



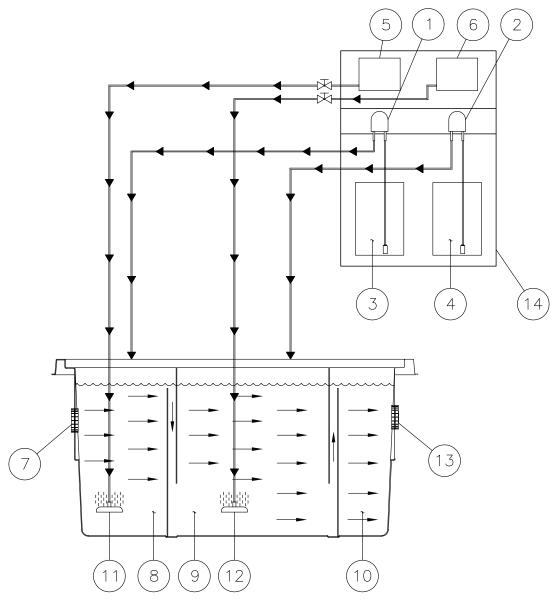
#### **FEATURES**







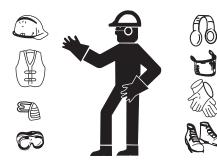
- 1. Control Timer Housing
- 2. Peristaltic Pump
- 3. Linear Air Pump
- 4. Power/Control Switches
- 5. Airflow Control Valves
- 6. BPS Cabinet
- 7. Air Stones



- = DIRECTION OF WATER FLOW

Housed inside a **Control Cabinet (14)** are two **Peristaltic Pumps (1&2)** and two **Air Pumps (5&6)**. **Liquid Bacteria (3)** and **Bio Enhancer Nutrient (4)** are fed through **Peristaltic Pumps (1&2)** into an in-ground pit or water storage vessel. Air from the **Air Pumps (5&6)** is pumped through **Ceramic Air Stones (11&12)** and into the waste water providing an aerobic environment for the bacteria to digest contaminants. As waste water flows into the **First Chamber (8)** of a three stage pit through the **Pit Inlet (7)** it comes into contact with the air and bacteria starting the digestion process. Then the water flows into the **Second Chamber (9)** and is treated with bacterial nutrients and more air which aides in bacteria reproduction and further digestion of water contaminants. The cleaned water then flows into the **Final Chamber (10)** and is discharged through the **Pit Outlet (13)** for further treatment or disposal to sanitary sewer.

### INSTALLATION



#### ATTIRE:

Proper attire is essential to your safety. It is advised to utilize whatever means necessary to protect eyes, ears and Skin.

#### INSTILLATION:

- 1. A collection Pit System must all ready be an established structure before installing the Biological Pit Management System. A well designed pit system is critical to the proper operation of the Biological Pit Management System. Consult your Mi-T-M dealer for instillation requirements.
- 2. Place the Biological Pit Management System on a hard, level surface in an area free of flammable vapors, combustible dust, gases or other combustible materials.
- 3. Arrange the system so you have access to the components inside the cabinet as well as the controls on the side of the cabinet.
- 4. Do not place unit in an area:

With insufficient ventilation.

Where environmental hazards (i.e. rain & snow) can come in contact with the Biological Pit Management System.

Where temperatures will be below 60 degrees Fahrenheit or above 120 degrees Fahrenheit because it will make the bacteria ineffective.

- 5. Attach all hose (air & chemical) to their respective hose barbs. Open control valves for the air stones so linear air pumps can start with no load on the pumps.
- 6. Install the air stones into the pit at equal distance from each other and the walls to insure proper aeration of the waste water.
- 7. Run the chemical feed hoses to the location where you want the bacteria to be injected to begin breaking down the waste water.
- 8. Place the buckets of bacteria into the Biological Pit Management System's cabinet and place strainer side of chemical feed hoses into the buckets.
- 9. Set the timers to turn aeration on and actuate pumps to inject bacteria for required amount of time. See "Setting the Timers".
- 10. Plug Biological Pit Management System into a 120VAC outlet.

### PREPARATION

#### SETTING THE TIMERS:

#### WARNING RISK OF ELECTROCUTION! MAKE SURE ALL POWER TO THE UNIT IS TURNED OFF WHEN WORKING ON COMPONENTS IN THE CONTROL PANEL.

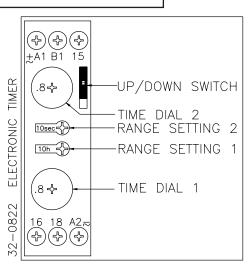
ELECTRONIC TIMER:

A simple Phillips head screwdriver can be used to make the adjustment here. Available settings on both range setting adjustments are:

1 second, 3 seconds, 10 seconds, 1 minute, 3 minutes, 10 minutes, 1 hour, 3 hours, 10 hours, and 60 hours.

The time dials determine the percent value of the range settings from 0 to 1.0. As an example, if the range setting is at 10 hours, and the corresponding time dial is at 0.8, then the value for that function is 80% of 10 hours, or 8 hours.

Range setting/ timer dial setting one determines the frequency of the timer activation. It is set to activate every 8 hours. Range setting/ timer dial setting two determines the duration of the timer activation. Duration of the dump cycle is set for 8 seconds. The slide switch should remain in the up position.

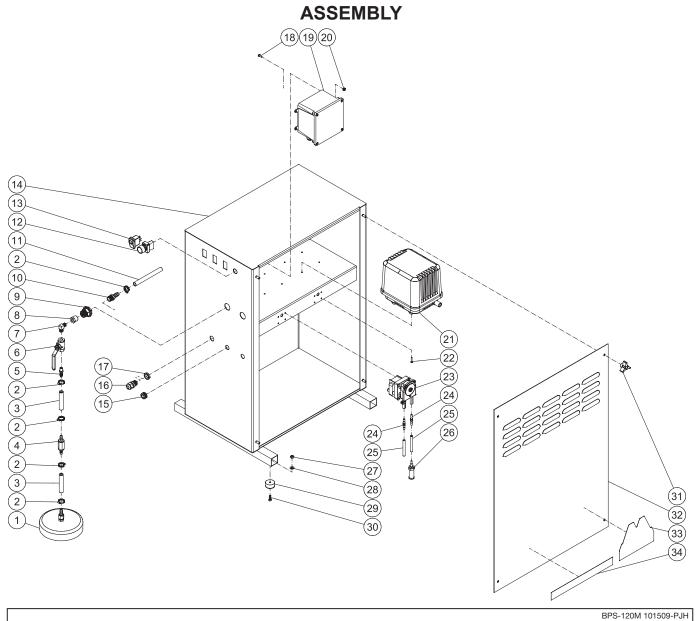


### TROUBLESHOOTING

Symptom	Probable Cause	Solution	
Air pumps/peristaltic pumps do not	BPS Unit is not plugged in.	Plug the unit into a 120V receptacle.	
turn on.	Master power switch is in the off position.	Turn on the Master power switch.	
	Timer is not allowing pumps to turn on.	Evaluate timer settings and deter- mine if it is allowing the pumps to run enough time.	
Air pumps are on but no air is being supplied to the pit.	Air lines are not connected cor- rectly.	Insure air lines are all hooked up cor- rectly and check valve is facing the right direction.	
	Flow control valves are closed.	Open valves until an appropriate amount of air is flowing to the pit.	
	Air stones are plugged	Inspect air stones for porosity and replace if necessary.	
Excessive bacteria usage.	Timer is set incorrectly.	Make sure timer is set correctly and reduce amount of time on if necessary.	
Bacteria not being fed to the pits.	Filter screen in bacteria bucket is plugged.	Inspect filter screen and clean or replace if necessary.	
	Chemical line has split some- where.	Inspect chemical feed lines and re- place if they are damaged.	

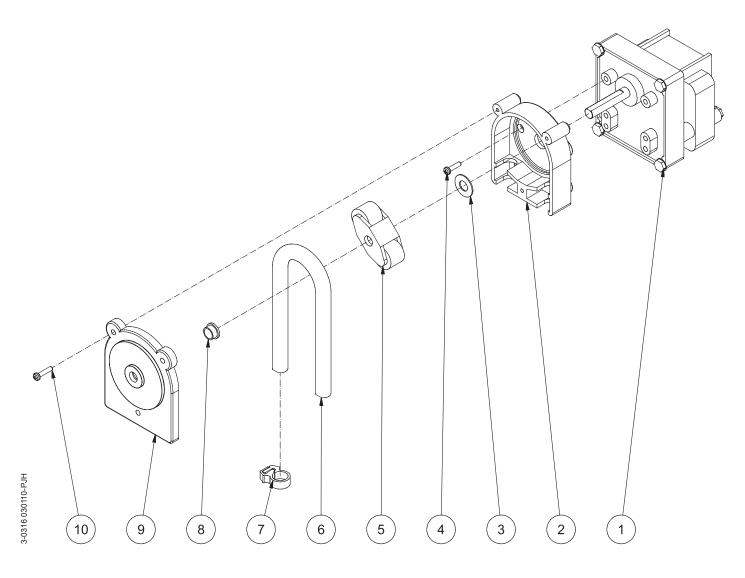
### **REPLACEMENT PARTS**

DESCRIPTION	REORDER#
Microbes-Hydrocarbon/VOC mix	RC-2001-0001
Microbes-Golf Course Mix	
Microbes-Fats, Oil and Grease	RC-2003-0001
Test Strips	33-0314
Microbes: Grease treat conc. (5 gal)	RC-2008-0005
Microbes: Hydrocarbon conc. (5 gal)	RC-2009-0005
Microbes: Pond con. (5 gal)	
Microbes: Enzyme/Microbe con. (5 gal)	
Bio Enhancer nutrient	



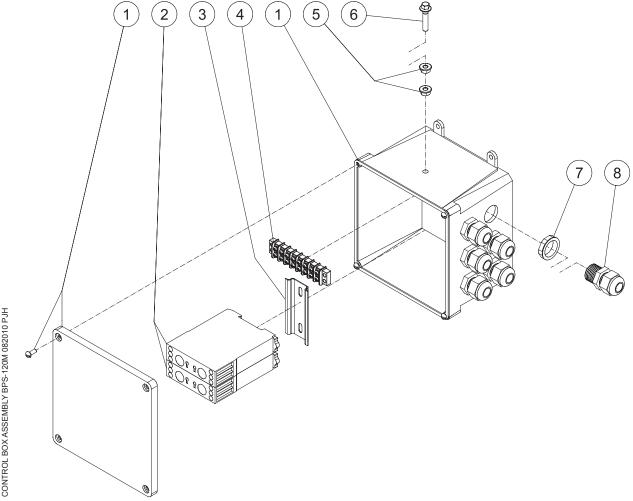
ΡJΗ	
01509	
120M 1	
BPS-	

FRAME ASSEMBLY       ITEM     DESCRIPTION     Mi-T-M #     QTY     ITEM     DESCRIPTION     Mi-T-M #     QTY       1     AIR STONE     33-0447     2     18     SCREW     27-5033     2       2     HOSE CLAMP     42-0011     10     19     CONTROL BOX ASSEMBLY     N/A SEP       3     HOSE '(TWENTY-FIVE FEET REQUIRED)     15-0020     2     20     NUT     30-9516       4     CHECK VALVE     22-0399     2     21     AIR PUMP     3-0327       5     BARB     23-0069     2     22     BOLT     27-8930       6     BALL VALVE     22-0002     2     23     PUMP     3-0316       7     ELBOW     23-0130     2     24     HOSE MENDER     55-0022       8     REDUCER     23-0365     2     26     STRAINER     19-0056       9     ADAPTER     23-0045     2     27     LOCKNUT     30-0155       11     HOSE '(TWO FEET FEET REQUIRED)     15-0026     2	BK2-150W 101203-A1						1909-PJH		
1   AIR STONE   33-0447   2     2   HOSE CLAMP   42-0011   10     3   HOSE '(TWENTY-FIVE FEET REQUIRED)   15-0020   2     4   CHECK VALVE   22-0399   2     5   BARB   23-0069   2     6   BALL VALVE   22-0002   2     7   ELBOW   23-0130   2     8   REDUCER   23-0056   2     9   ADAPTER   23-0365   2     10   BARB   23-0045   2     11   HOSE '(TWO FEET FEET REQUIRED)   15-0026   2     11   HOSE '(TWO FEET FEET REQUIRED)   15-0026   2     12   SWITCH PUSH BUTTON   32-0534   1     13   SWITCH   32-0771   3     14   CABINET   20-1170A18   1     15   GROMMET   33-0001   2	FRAME ASSEMBLY								
2   HOSE CLAMP   42-0011   10     3   HOSE '(TWENTY-FIVE FEET REQUIRED)   15-0020   2     4   CHECK VALVE   22-0399   2     5   BARB   23-0069   2     6   BALL VALVE   22-0002   2     7   ELBOW   23-0130   2     8   REDUCER   23-0056   2     9   ADAPTER   23-0056   2     10   BARB   23-0056   2     11   HOSE '(TWO FEET FEET REQUIRED)   15-0026   2     12   SWITCH PUSH BUTTON   32-0534   1     13   SWITCH   32-0171   3     14   CABINET   20-1170A18   1     15   GROMMET   33-0001   2	ITEM	DESCRIPTION	Mi-T-M #	QTY		ITEM	DESCRIPTION	Mi-T-M #	QTY
3   HOSE *(TWENTY-FIVE FEET REQUIRED)   15-0020   2     4   CHECK VALVE   22-0399   2     5   BARB   23-0069   2     6   BALL VALVE   22-0002   2     7   ELBOW   23-0130   2     8   REDUCER   23-0056   2     9   ADAPTER   23-0365   2     10   BARB   23-0455   2     11   HOSE *(TWO FEET FEET REQUIRED)   15-0026   2     12   SWITCH PUSH BUTTON   32-0534   1     13   SWITCH   32-0771   3     14   CABINET   20-1170A18   1     15   GROMMET   33-0001   2	1	AIR STONE	33-0447	2		18	SCREW	27-5033	4
4   CHECK VALVE   22-0399   2   21   AIR PUMP   3-0327     5   BARB   23-0069   2   22   BOLT   27-8930     6   BALL VALVE   22-0002   2   23   PUMP   3-0316     7   ELBOW   23-0130   2   24   HOSE MENDER   55-0022     8   REDUCER   23-0365   2   25   HOSE *(THIRTEEN FEET REQUIRED)   15-0021     9   ADAPTER   23-0045   2   26   STRAINER   19-0056     10   BARB   23-0045   2   28   WASHER   28-0002   2     11   HOSE *(TWO FEET FEET REQUIRED)   15-0026   2   28   WASHER   28-0002   2     12   SWITCH PUSH BUTTON   32-0534   1   29   ISOLATOR   14-0069   3     13   SWITCH   20-1170A18   1   31   KNOB   7-0204     15   GROMMET   33-0001   2   32   DOOR   20-1171A18	2	HOSE CLAMP	42-0011	10		19	CONTROL BOX ASSEMBLY	N/A SEP	1
5   BARB   23-0069   2   22   BOLT   27-8930     6   BALL VALVE   22-0002   2   23   PUMP   3-0316     7   ELBOW   23-0130   2   24   HOSE MENDER   55-0022     8   REDUCER   23-0056   2   25   HOSE MENDER   55-0022     9   ADAPTER   23-0365   2   26   STRAINER   19-0056     10   BARB   23-0045   2   27   LOCKNUT   30-0155     11   HOSE *(TWO FEET FEET REQUIRED)   15-0026   2   28   WASHER   28-0002     12   SWITCH PUSH BUTTON   32-0534   1   29   ISOLATOR   14-0069     13   SWITCH   20-1170A18   1   31   KNOB   7-0204     15   GROMMET   33-0001   2   32   DOOR   20-1171A18	3	HOSE *(TWENTY-FIVE FEET REQUIRED)	15-0020	2		20	NUT	30-9516	4
6   BALL VALVE   22-0002   2   23   PUMP   3-0316     7   ELBOW   23-0130   2   24   HOSE MENDER   55-0022     8   REDUCER   23-0056   2   25   HOSE MENDER   55-0021     9   ADAPTER   23-0365   2   26   STRAINER   19-0056     10   BARB   23-0045   2   27   LOCKNUT   30-0155     11   HOSE *(TWO FEET FEET REQUIRED)   15-0026   2   28   WASHER   28-0002     12   SWITCH PUSH BUTTON   32-0534   1   29   ISOLATOR   14-0069     13   SWITCH   32-0771   3   30   BOLT   27-0015     14   CABINET   20-1170A18   1   31   KNOB   7-0204     15   GROMMET   33-0001   2   32   DOOR   20-1171A18	4	CHECK VALVE	22-0399	2		21	AIR PUMP	3-0327	2
7   ELBOW   23-0130   2   24   HOSE MENDER   55-0022     8   REDUCER   23-0056   2   25   HOSE *(THIRTEEN FEET REQUIRED)   15-0021     9   ADAPTER   23-0365   2   26   STRAINER   19-0056     10   BARB   23-0045   2   27   LOCKNUT   30-0155     11   HOSE *(TWO FEET FEET REQUIRED)   15-0026   2   28   WASHER   28-0002     12   SWITCH PUSH BUTTON   32-0534   1   29   ISOLATOR   14-0069     13   SWITCH   20-1170A18   1   31   KNOB   7-0204     15   GROMMET   33-0001   2   32   DOOR   20-1171A18	5	BARB	23-0069	2	1	22	BOLT	27-8930	8
8     REDUCER     23-0056     2       9     ADAPTER     23-0365     2       10     BARB     23-0045     2       11     HOSE *(TWO FEET FEET REQUIRED)     15-0026     2       12     SWITCH PUSH BUTTON     32-0534     1       13     SWITCH     32-0771     3       14     CABINET     20-1170A18     1       15     GROMMET     33-0001     2	6	BALL VALVE	22-0002	2	]	23	PUMP	3-0316	2
9     ADAPTER     23-0365     2     26     STRAINER     19-0056       10     BARB     23-0045     2     26     STRAINER     19-0056       11     HOSE *(TWO FEET FEET REQUIRED)     15-0026     2     28     WASHER     28-0002       12     SWITCH PUSH BUTTON     32-0534     1     29     ISOLATOR     14-0069       13     SWITCH     32-0771     3     30     BOLT     27-0015       14     CABINET     20-1170A18     1     31     KNOB     7-0204       15     GROMMET     33-0001     2     32     DOOR     20-1171A18	7	ELBOW	23-0130	2	1	24	HOSE MENDER	55-0022	4
10     BARB     23-0045     2     27     LOCKNUT     30-0155       11     HOSE *(TWO FEET FEET REQUIRED)     15-0026     2     28     WASHER     28-0002       12     SWITCH PUSH BUTTON     32-0534     1     29     ISOLATOR     14-0069       13     SWITCH     20-1170A18     1     31     KNOB     7-0204       15     GROMMET     33-0001     2     32     DOOR     20-1171A18	8	REDUCER	23-0056	2		25	HOSE *(THIRTEEN FEET REQUIRED)	15-0021	4
11   HOSE *(TWO FEET FEET REQUIRED)   15-0026   2   28   WASHER   28-0002     12   SWITCH PUSH BUTTON   32-0534   1   29   ISOLATOR   14-0069     13   SWITCH   32-0771   3   30   BOLT   27-0015     14   CABINET   20-1170A18   1   31   KNOB   7-0204     15   GROMMET   33-0001   2   32   DOOR   20-1171A18	9	ADAPTER	23-0365	2	1	26	STRAINER	19-0056	2
12   SWITCH PUSH BUTTON   32-0534   1   29   ISOLATOR   14-0069     13   SWITCH   32-0771   3   30   BOLT   27-0015     14   CABINET   20-1170A18   1   31   KNOB   7-0204     15   GROMMET   33-0001   2   32   DOOR   20-1171A18	10	BARB	23-0045	2	1	27	LOCKNUT	30-0155	4
13 SWITCH 32-0771 3 30 BOLT 27-0015   14 CABINET 20-1170A18 1 31 KNOB 7-0204   15 GROMMET 33-0001 2 32 DOOR 20-1171A18	11	HOSE *(TWO FEET FEET REQUIRED)	15-0026	2	1	28	WASHER	28-0002	4
14     CABINET     20-1170A18     1     31     KNOB     7-0204       15     GROMMET     33-0001     2     32     DOOR     20-1171A18	12	SWITCH PUSH BUTTON	32-0534	1	1	29	ISOLATOR	14-0069	4
15 GROMMET 33-0001 2 32 DOOR 20-1171A18	13	SWITCH	32-0771	3	1	30	BOLT	27-0015	4
	14	CABINET	20-1170A18	1	1	31	KNOB	7-0204	4
16 STRAIN RELIEF 32-0437 1 33 DECAL - Mi-T-M 34-2170	15	GROMMET	33-0001	2	1	32	DOOR	20-1171A18	1
	16	STRAIN RELIEF	32-0437	1	1	33	DECAL - Mi-T-M	34-2170	1
17     ELECTRICAL LOCKNUT     32-0108     1     34     DECAL - 17" STRIPE     34-2187	17	ELECTRICAL LOCKNUT	32-0108	1	1	34	DECAL - 17" STRIPE	34-2187	1
*MUST ORDER IN ONE FOOT LENGTHS									



	3-0316 030110-PJH				
	PUMP (3-0316)				
ITEM	DESCRIPTION	PART #	QTY		
1	MOTOR	N/A	1		
2	HOUSING (SEE 70-0245)	N/A	1		
3	WASHER	N/A	1		
4	SCREW	27-2771	4		
5	ROLLER BRACKET ASSEMBLY	46-0830	1		
6	TUBE	15-0205	1		
7	CLAMP	42-0028	1		
8	BUSHING	9-0080	1		
9	PUMP COVER (SEE 70-0245)	N/A	1		
10	SCREW (SEE 70-0245)	N/A	3		

### **CONTROL BOX ASSEMBLY**



CONTROL BOX ASSEMBLY-BPS-120M 082010 PJH					
	CONTROL BOX ASSEMBLY				
ITEM	DESCRIPTION	Mi-T-M #	QTY		
1	CONTROL BOX	32-0702	1		
2	RELAY TIMER	32-0822	2		
3	DIN RAIL *(ONE FOOT REQUIRED)	32-0316	1		
4	TERMINAL STRIP	32-0436	1		
5 NUT		30-3022	2		
6	BOLT	27-8898	1		
7	ELECTRICAL LOCKNUT	32-0108	6		
8	STRAIN RELIEF	32-0437	6		
*MUST ORDER IN ONE FOOT LENGTHS					



### STATEMENT OF WARRANTY

Mi-T-M warrants all parts (except those referred to below) of your new Biological Pit Management System to be free from defects in materials and workmanship for One (1) Year from the date of original purchase.

Defective parts not subject to normal wear and tear will be repaired or replaced at Mi-T-M's option during the warranty period which upon examination is disclosed to have been defective in material or workmanship. In any event, reimbursement is limited to the purchase price paid.

#### **EXCLUSIONS**

1. This warranty does not cover parts damaged due to:

-normal wear, misapplication, modifications/alterations, abuse, -operation at other than recommended speeds, pressures or temperature,

-the use of caustic liquids,

-chloride corrosion or chemical deterioration,

-fluctuations in electrical or water supply,

-operating unit in an abrasive, corrosive or freezing environment.

- 2. This warranty does not cover parts damaged by failure to follow recommended installation, operating and maintenance procedures.
- This warranty does not cover the cost of: -normal maintenance or adjustments, -labor charges, -transportation charges to Service Center, -freight damage.
- 4. The use of other than genuine Mi-T-M parts will void warranty. Parts returned, prepaid to Mi-T-M's factory or to an Authorized Service Center will be inspected and replaced free of charge if found to be defective and subject to warranty. There are no warranties which extend beyond the description of the face hereof. Under no circumstances shall Mi-T-M bear any responsibility for loss of use of the unit, loss of time or rental, inconvenience, commercial loss or consequential damages.

For Service or Warranty consideration, contact Mi-T-M Corporation, 8650 Enterprise Drive, Peosta, IA 52068-0050 319-556-7484 / 800-553-9053 / Fax 319-556-1235 Monday-Friday 7:30 AM - 5:00 PM CST