

# ***DRAMM***



## **Agitation/Aeration Bucket Manual**

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# ***DRAMM***

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Shipped to:

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Power Version:  12v  120/240v  
Plug:  US  Euro  
Serial #

Packed By:

\_\_\_\_\_ date

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## **Thank you for your purchase of this Agitation/Aeration Bucket.**

This manual covers all aspects of your Dramm Agitation/Aeration Bucket. The AAB is vessel designed to keep solutions in suspension as well as provide air injection to help keep nematodes and other biological require oxygen agitated as well as aerated.

This manual will describe general use and care of your AAB. In addition to this manual, advice and operational videos are available on our website at [www.dramm.com](http://www.dramm.com).

Please direct any questions or service requests you might have to the contacts below.

**Dramm Corporation**  
Main Office  
PO Box 1960  
2000 North 18<sup>th</sup> Street  
Manitowoc, WI 54221

**Dramm Corporation**  
Canadian Office  
RR#4 906 Hwy 20 W  
Fenwick, ONTARIO  
CANADA, L0S 1C0

920/684.0227  
[information@dramm.com](mailto:information@dramm.com)  
[www.dramm.com](http://www.dramm.com)

## Limited Warranty

This is a limited warranty as defined in in the consumer product warranty and federal trade com- mission improvement act. This warranty gives you specific legal rights which may vary from state to state.

DRAMM CORPORATION warrants all Agitation/Aeration Buckets to be free from defect in materials and workmanship to the original purchaser for a period of six months, on labor and parts that are not subject to unusual wear. This warranty does not cover units that have been abused or used in a manner inconsistent with the owner's manual instructions.

DRAMM CORPORATION gives no warranty, expressed or implied, in regard to efficacy of any pesticide.

Under no circumstances will the manufacturer(s) or DRAMM CORPORATION be liable for damages due to incorrect stocking, faulty operation or application, non-observance of safety standards or non- observance of chemical label directions. The manufacturer(s) or DRAMM CORPORATION under no circumstance will be responsible for damage(s) done to any property or persons.

Under no circumstance will the manufacturer(s) or DRAMM CORPORATION be responsible for crops. It is understood that the limit of seller liability for breach of any warranty shall be the invoice price of goods.

This warranty begins on the date of original purchase. If warranty service is required, the equipment must be sent prepaid to:

**Dramm Corporation  
2000 North 18<sup>th</sup> Street  
Manitowoc, WI 54220-1960 USA**

**920/684-0227**

## Instructions

The AAB is available in two power formats: 120/240vAC or 12vDC. Both units operate the same and have the same power receptacle for electrical connections. The 12vDC unit has the addition of a battery to operate without the power cord.

### ***120/240vAC Version:***

Before operation, plug the included power transformer into an AC receptacle. Connect the transformer to the AAB by using the power inlet on the side of the unit (see below).

The transformer reduces the voltage into the bucket to 12vDC for safety. Keep the transformer away from water. Use a GFCI outlet when using this device to prevent electrical shock.



### ***12vDC Version:***

Before operation, plug the included power transformer into an AC receptacle. Connect the transformer to the AAB by using the power inlet on the side of the unit (right). This will charge the unit. The charge is indicated on the charger.

Once fully charged, the AAB12V will run for 1.5 hours before needing to be recharged.

The unit will charge in approximately 5 hours.

**Do not leave the unit plugged into the charger once the unit is charged to prevent damage to the battery.**



The Agitation/Aeration Bucket is simple to operate. It is intended to work to agitate a premixed solution or to agitate and aerate a biological solution. The 5 gallon capacity makes it perfect for use with portable injectors or small sprayers.

## Agitation

When used for agitation, the AAB can keep a premixed solution in suspension.

It is important to premix any solution being used in the bucket. Begin by mixing a slurry in a separate container. Add the remainder of the water needed to the AAB and start agitation by turning the POWER switch on the front of the bucket (see below) to "ON". This will begin a 1 gpm recirculation of water the bucket.

Add the premixed slurry to the already recirculating water in the bucket slowly.

Mix if needed.

The AAB will keep the solution in suspension indefinitely.

## Aeration

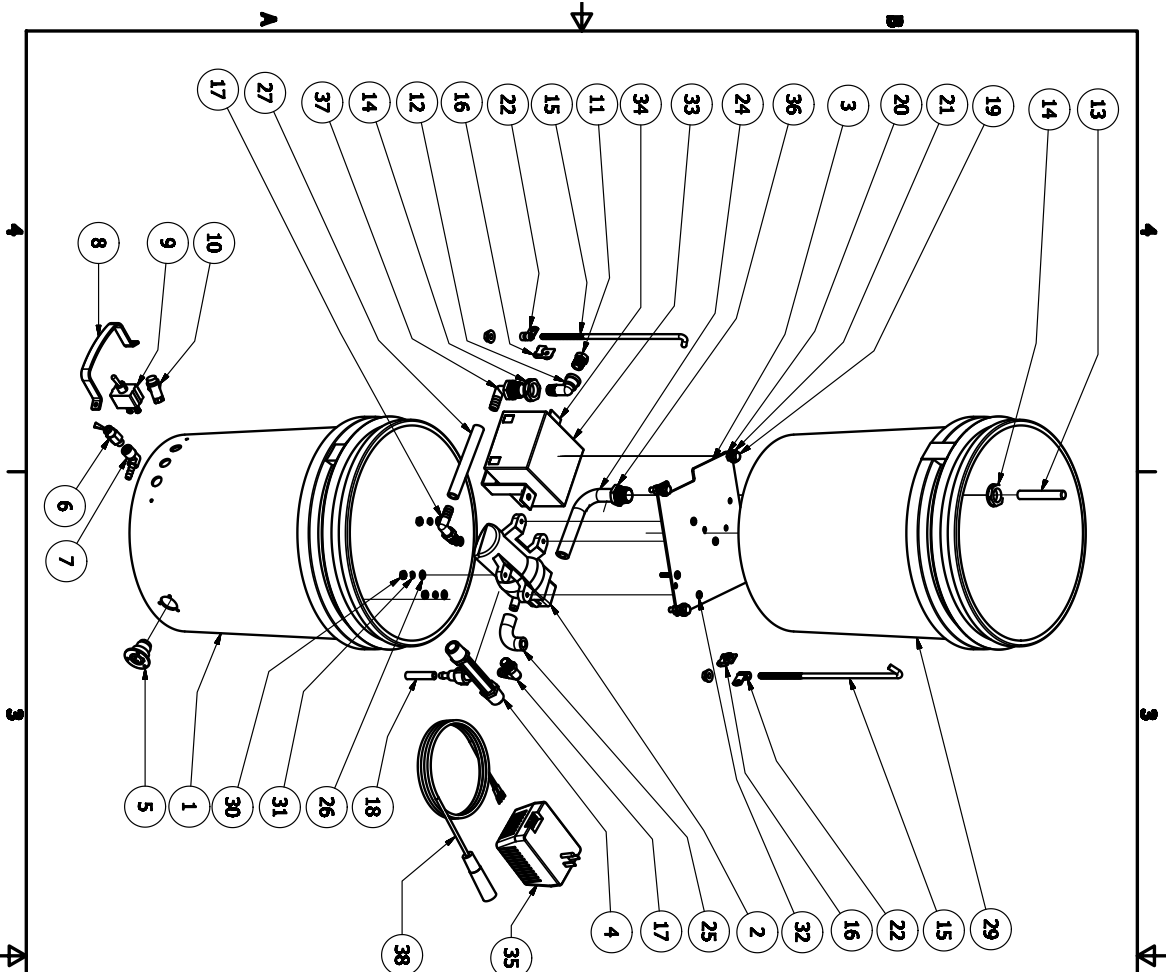
Prepare solution and agitate as above.

To inject air into the recirculation, move the AERATION switch from AGIT to AIR. This will siphon air into the recirculating water flow, providing saturation level of oxygen to the bucket.

**The AAB will be able to keep various solutions in suspension. However, premixing is important. It is possible to clog the pump and injector internally if solutions that are too thick or powders and other chemicals are added directly to the bucket without being premixed.**

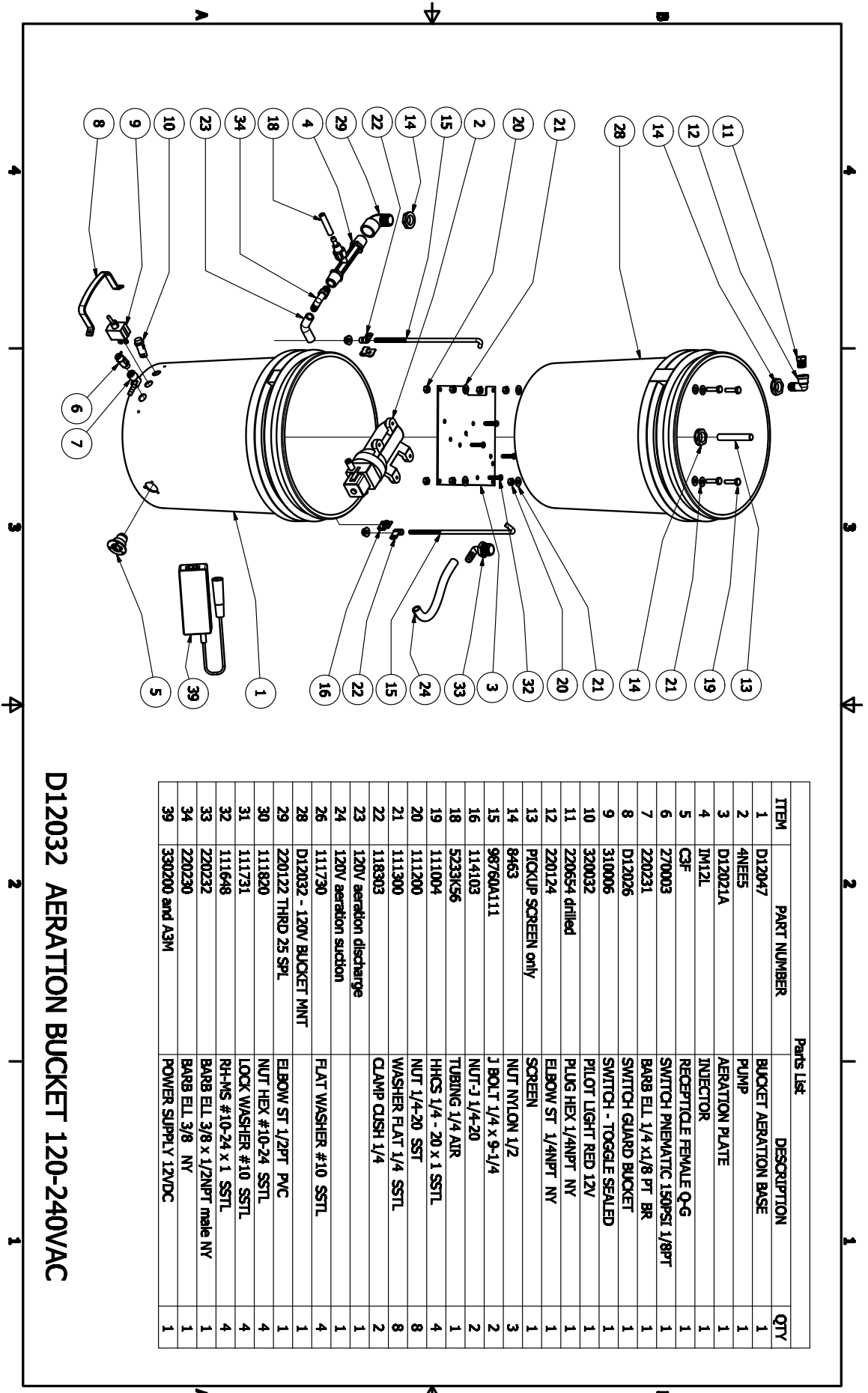
**Always add solution to an already agitating bucket for best operation.**





ITEM	PART NUMBER	Parts List	DESCRIPTION	QTY
1	D12047	BUCKET AERATION BASE	BUCKET AERATION BASE	1
2	200046	PUMP 12VDC	PUMP 12VDC	1
3	D12021A	AERATION PLATE	AERATION PLATE	1
4	IM12L	INJECTOR	INJECTOR	1
5	CGF	RECEPTACLE FEMALE Q-G	RECEPTACLE FEMALE Q-G	1
6	270003	SWITCH PNEUMATIC 150PSI 1/8PT	SWITCH PNEUMATIC 150PSI 1/8PT	1
7	220231	BARB ELL 1/4 X1/8 PT BR	BARB ELL 1/4 X1/8 PT BR	1
8	D12026	SWITCH GUARD BUCKET	SWITCH GUARD BUCKET	1
9	310006	SWITCH - TOGGLE SEALED	SWITCH - TOGGLE SEALED	1
10	320032	PILOT LIGHT RED 12V	PILOT LIGHT RED 12V	1
11	220654 drilled	PLUG HEX 1/4INPT NY	PLUG HEX 1/4INPT NY	1
12	220124	ELBOW ST 1/4INPT NY	ELBOW ST 1/4INPT NY	1
13	PICKUP SCREEN only	SCREEN	SCREEN	1
14	8463	NUT NYLON 1/2	NUT NYLON 1/2	2
15	98760A111	J BOLT 1/4 x 9-1/4	J BOLT 1/4 x 9-1/4	2
16	114103	NUT-J 1/4-20	NUT-J 1/4-20	2
17	220230	BARB ELL 3/8 NY	BARB ELL 3/8 NY	2
18	523K56	TUBING 1/4 ATR	TUBING 1/4 ATR	1
19	111004	HHCS 1/4 - 20 x 1 SSTL	HHCS 1/4 - 20 x 1 SSTL	4
20	111200	NUT 1/4-20 SST	NUT 1/4-20 SST	8
21	111300	WASHER FLAT 1/4 SSTL	WASHER FLAT 1/4 SSTL	8
22	118303	CLAMP CLISH 1/4	CLAMP CLISH 1/4	2
24	RBR18030 SH 1	HOSE CURVED	HOSE CURVED	1
25	RBR18030 SH 2	HOSE CURVED	HOSE CURVED	1
26	111730	FLAT WASHER #10 SSTL	FLAT WASHER #10 SSTL	4
27	523K64	3/8 clear pvc tubing	3/8 clear pvc tubing	1
29	D12031	BUCKET 12V INNER	BUCKET 12V INNER	1
30	111820	NUT HEX #10-24 SSTL	NUT HEX #10-24 SSTL	4
31	111731	LOCK WASHER #10 SSTL	LOCK WASHER #10 SSTL	4
32	111648	RH-MS #10-24 x 1 SSTL	RH-MS #10-24 x 1 SSTL	4
33	330001	BATTERY 12V 5AH	BATTERY 12V 5AH	1
34	Battery Strap Aeration			
35	330100	CHARGER 12V	CHARGER 12V	1
36	220228	BARB 3/8 x 1/2INPT NY	BARB 3/8 x 1/2INPT NY	1
37	220232	BARB ELL 3/8 x 1/2INPT male NY	BARB ELL 3/8 x 1/2INPT male NY	1
38	CHARGING CORD			1

**D12031 AERATION BUCKET 12VDC**



ITEM	PART NUMBER	DESCRIPTION	QTY
1	D12047	BUCKET AERATION BASE	1
2	4NE5	PUMP	1
3	D12021A	AERATION PLATE	1
4	IM12L	INJECTOR	1
5	CF	RECEPTACLE FEMALE Q-G	1
6	Z70003	SWITCH PNEUMATIC 150PSI 1/8PT	1
7	Z20231	BARB ELL 1/4 x 1/8 PT BR	1
8	D12026	SWITCH GUARD BUCKET	1
9	310006	SWITCH - TOGGLE SEALED	1
10	320032	PILOT LIGHT RED 12V	1
11	Z20654 drilled	PLUG HEX 1/4NPT NY	1
12	Z20124	ELBOW ST 1/4NPT NY	1
13	PICKUP SCREEN only	SCREEN	1
14	8463	NUT NYLON 1/2	3
15	98760A111	J BOLT 1/4 x 9-1/4	2
16	114103	NUT 1/4-20	2
18	523K56	TUBING 1/4 AIR	1
19	111004	HHCS 1/4 - 20 x 1 SSTL	4
20	111200	NUT 1/4-20 SST	8
21	111300	WASHER FLAT 1/4 SSTL	8
22	118303	CLAMP CUSH 1/4	2
23		120V aeration discharge	1
24		120V aeration suction	1
26	111730	FLAT WASHER #10 SSTL	4
28	D12032 - 120V BUCKET NMT		1
29	Z20122 THRD 25 SPL	ELBOW ST 1/2PT PVC	1
30	111820	NUT HEX #10-24 SSTL	4
31	111731	LOCK WASHER #10 SSTL	4
32	111648	RH-MS #10-24 x 1 SSTL	4
33	Z20232	BARB ELL 3/8 x 1/2NPT male NY	1
34	Z20230	BARB ELL 3/8 NY	1
39	330200 and A3M	POWER SUPPLY 12VDC	1

**D12032 AERATION BUCKET 120-240VAC**

