

# ***DRAMM***



## **Agitation/Aeration Bucket Manual**

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Shipped to:

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Power 120v/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  
Manitowoc, WI 54221

**Dramm Corporation**  
Canadian Office  
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  
Manitowoc, WI 54220-1960 USA**

**920/684-0227**

## Instructions

The AAB runs on 12 vDC. The AAB is sold in several power versions. Each uses a 120/240v power pack but with a different cord set for the local power connection.

Additionally, the AAB can run off a battery with the AAB12VCORD cordset. This cordset uses alligator clips to connect to a customer-supplied battery to power the bucket.

We no longer make a AAB with an internal 12v battery.

### ***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 Operation:***

The AAB can be operated with a customer-supplied 12vDC battery. This allows for the customer to select the proper size battery for their needs. Including an internal battery limited the use to less than an hour and a half.

Using the optional AAB12VCORD, the user can connect to their own battery for more flexible agitation.





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.



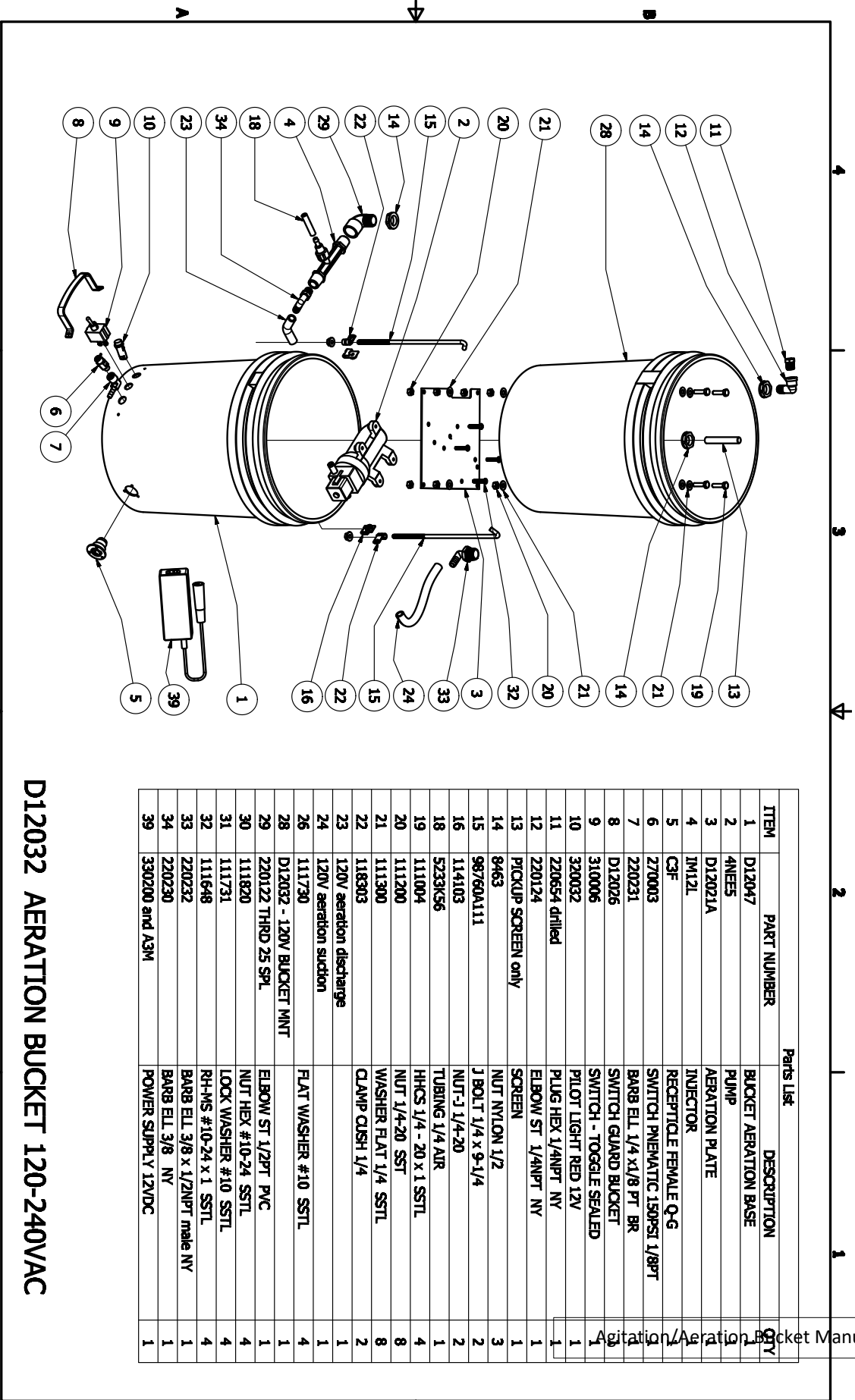
## Aeration

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.**



Parts List				
ITEM	PART NUMBER	DESCRIPTION	QTY	
1	D12047	BUCKET AERATION BASE	1	
2	4NIE5	PUMP	1	
3	D12021A	AERATION PLATE	1	
4	IM12L	INDUCTOR	1	
5	C3F	RECEPTICLE FEMALE Q-G	1	
6	270003	SWITCH PNEUMATIC 150PSI 1/8PT	1	
7	220231	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	220654 drilled	PLUG HEX 1/4NPT NY	1	
12	220124	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	2	
22	118303	CLAMP CUSH 1/4	1	
23	120V aeration discharge		1	
24	120V aeration suction		1	
26	111730	FLAT WASHER #10 SSTL	4	
28	D12032 - 120V BUCKET MNT		1	
29	220122 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	220232	BARB ELL 3/8 x 1/2NPT male NY	1	
34	220230	BARB ELL 3/8 NY	1	
39	330200 and ASM	POWER SUPPLY 12VDC	1	

D12032 AERATION BUCKET 120-240VAC

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