DRAMM



Agitation/Aeration Bucket Manual

DRAMM

Shipped to:

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

_____

Packed By:

_____ **date**

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.

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

Dramm Corporation
Main Office
PO Box 1960
2000 North 18th 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
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 18th 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 charges, 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.

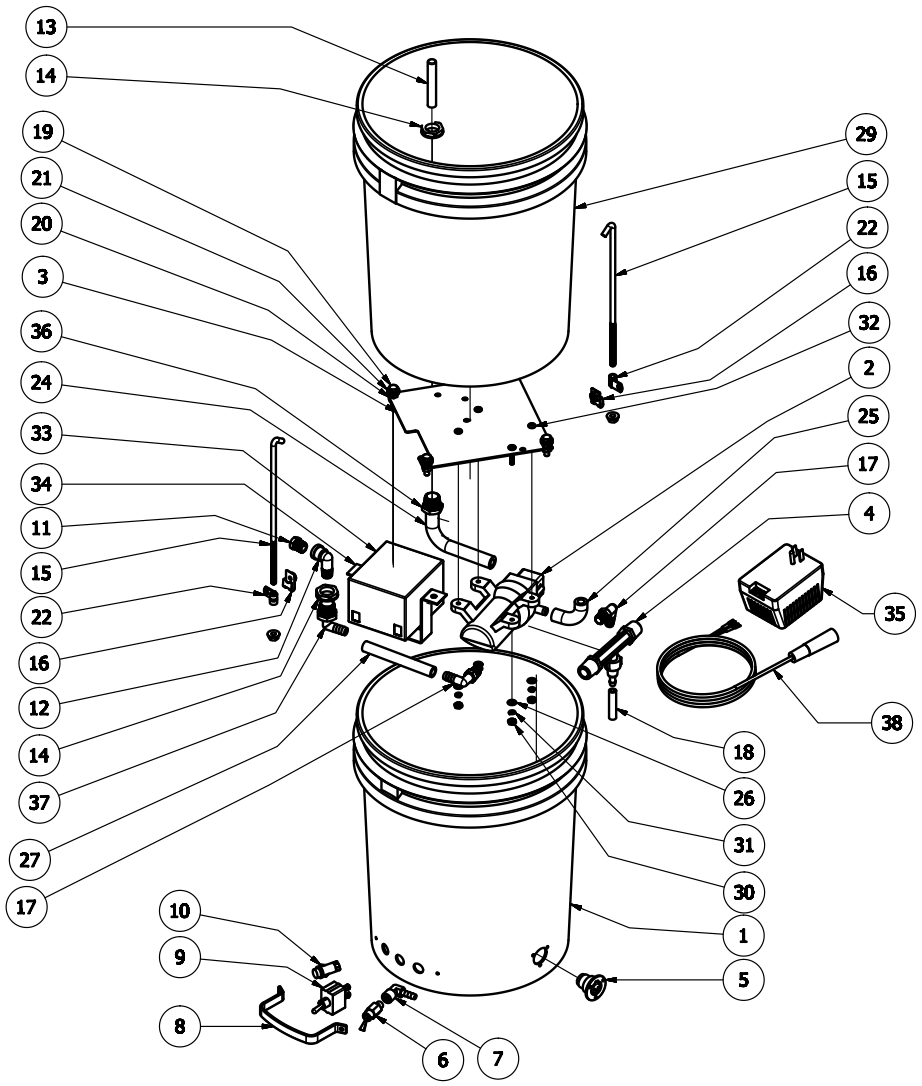
Aeration

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.

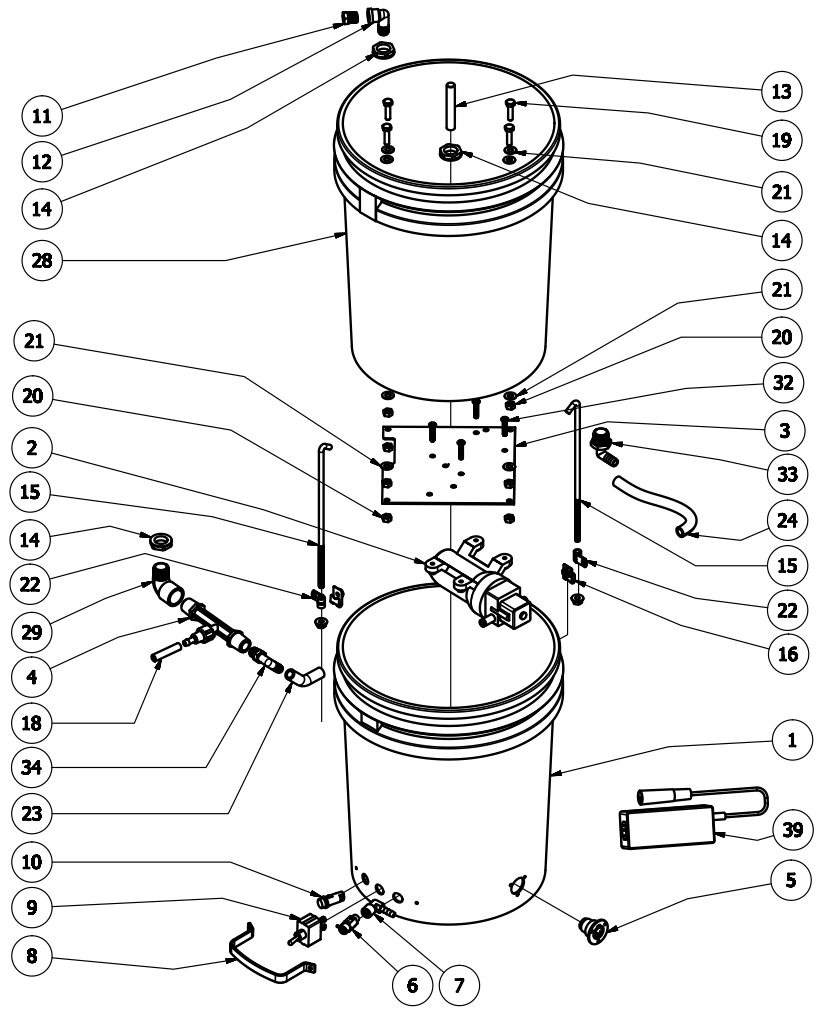
The AAB will be able to keep various solutions in suspension. However, premixing is important. It is possible to clog the pump and injector internally if solutions that are too thick or powders and other chemicals are added directly to the bucket without being premixed.

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



Parts List			
ITEM	PART NUMBER	DESCRIPTION	QTY
1	D12047	BUCKET AERATION BASE	1
2	200046	PUMP 12VDC	1
3	D12021A	AERATION PLATE	1
4	IM12L	INJECTOR	1
5	C3F	RECEPTICLE FEMALE Q-G	1
6	270003	SWITCH PNEMATIC 150PSI 1/8PT	1
7	220231	BARB ELL 1/4 x1/8 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	2
15	98760A111	J BOLT 1/4 x 9-1/4	2
16	114103	NUT-J 1/4-20	2
17	220230	BARB ELL 3/8 NY	2
18	5233K56	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
24	RBR18030 SH 1	HOSE CURVED	1
25	RBR18030 Sh 2	HOSE CURVED	1
26	111730	FLAT WASHER #10 SSTL	4
27	5233K64	3/8 clear pvc tubing	1
29	D12031	BUCKET 12V INNER	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	330001	BATTERY 12V 5AH	1
34	Battery Strap Aeration		1
35	330100	CHARGER 12V	1
36	220228	BARB 3/8 x 1/2MPT NY	1
37	220232	BARB ELL 3/8 x 1/2NPT male NY	1
38	CHARGING CORD		1

D12031 AERATION BUCKET 12VDC



Parts List			
ITEM	PART NUMBER	DESCRIPTION	QTY
1	D12047	BUCKET AERATION BASE	1
2	4NEE5	PUMP	1
3	D12021A	AERATION PLATE	1
4	IM12L	INJECTOR	1
5	C3F	RECEPTICLE FEMALE Q-G	1
6	270003	SWITCH PNEMATIC 150PSI 1/8PT	1
7	220231	BARB ELL 1/4 x1/8 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-J 1/4-20	2
18	5233K56	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 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 A3M	POWER SUPPLY 12VDC	1

D12032 AERATION BUCKET 120-240VAC

Notes:

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information@dramm.com
www.dramm.com