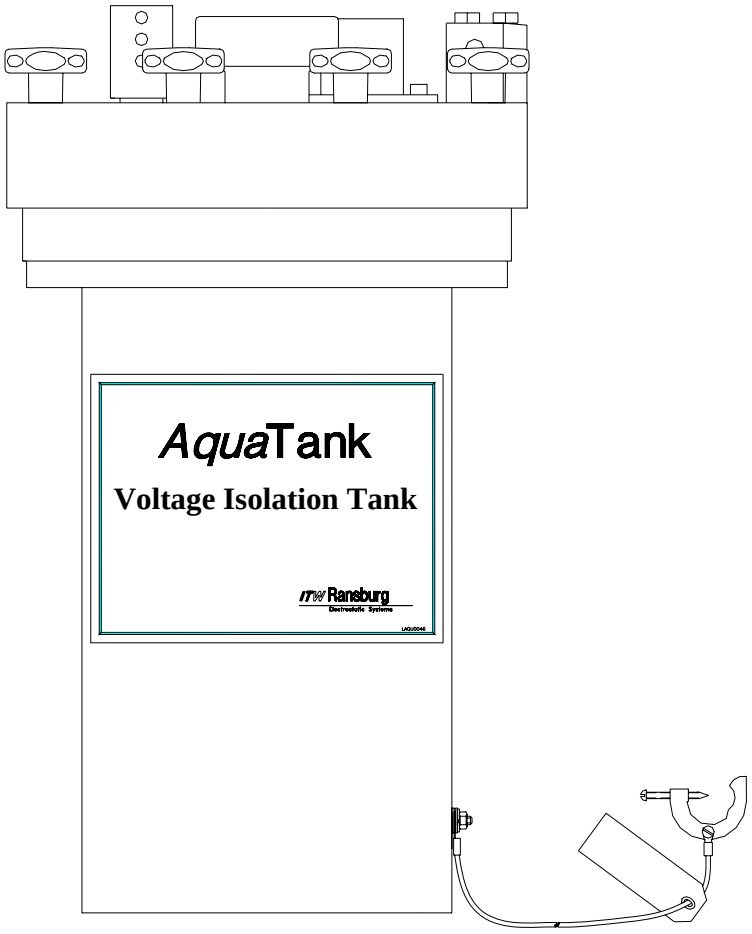
ITW Ransburg

SERVICE MANUAL
IS-99-01.3
(Replaces IS-99-01.2)
August - 2007

AQUATANK™



MODELS:
LAQU5030 & LAQU5010 AQUATANK
LAQU5030A & LAQU5010A AQUATANK WITH AGITATOR
76103-05 & 76103-02 AGITATOR FOR AQUATANK

IMPORTANT: Before using this equipment, carefully read SAFETY PRECAUTIONS, starting on page 1, and all instructions in this manual. Keep this Service Manual for future reference.

Service Manual Price: €25.00 (Euro)
$30.00 (U.S.)

NOTE: This manual has been changed from revision **IS-99-01.2** to revision **IS-99-01.3**. Reasons for this change are noted under “Manual Change Summary” inside the back cover of this manual.

CONTENTS

SAFETY

SAFETY PRECAUTIONS

Before operating, maintaining or servicing any ITW Ransburg coating system, read and understand all of the technical and safety literature for your ITW Ransburg products. This manual contains information that is important for you to know and understand. This information relates to USER SAFETY and PREVENTING EQUIPMENT PROBLEMS. To help you recognize this information, we use the following symbols. Please pay particular attention to these sections.

A WARNING! states information to alert you to a situation that might cause serious injury if instructions are not followed.

A CAUTION! states information that tells how to prevent damage to equipment or how to avoid a situation that might cause minor injury.

A NOTE is information relevant to the procedure in progress.

While this manual lists standard specifications and service procedures, some minor deviations may be found between this literature and your equipment. Differences in local codes and plant requirements, material delivery requirements, etc., make such variations inevitable. Compare this manual with your system installation drawings and appropriate ITW Ransburg equipment manuals to reconcile such differences.

Careful study and continued use of this manual will provide a better understanding of the equipment and process, resulting in more efficient operation, longer trouble-free service and faster, easier troubleshooting. If you do not have the manuals and safety literature for your Ransburg system, contact your local ITW Ransburg representative or ITW Ransburg.

⚠ WARNING

► The user **MUST** read and be familiar with the Safety Section in this manual and the ITW Ransburg safety literature therein identified.

► This manual **MUST** be read and thoroughly understood by **ALL** personnel who operate, clean or maintain this equipment! Special care should be taken to ensure that the **WARNINGS** and safety requirements for operating and servicing the equipment are followed. The user should be aware of and adhere to **ALL** local building and fire codes and ordinances as well as **NFPA-33 SAFETY STANDARD,** prior to installing, operating, and/or servicing this equipment.

⚠ WARNING

► The hazards shown on the following page may occur during the normal use of this equipment. Please read the hazard chart beginning on page 2.

AREA Tells where hazards may occur.	HAZARD Tells what the hazard is.	SAFEGUARDS Tells how to avoid the hazard.
Spray Area 	Fire Hazard Improper or inadequate opera-tion and maintenance procedures will cause a fire hazard. Protection against inadvertent arcing that is capable of causing fire or explosion is lost if any safety interlocks are disabled during operation. Frequent power supply shutdown indicates a problem in the system requiring correction.	Fire extinguishing equipment must be present in the spray area and tested periodically. Spray areas must be kept clean to prevent the accumulation of combustible residues. Smoking must never be allowed in the spray area. The high voltage supplied to the atomizer must be turned off prior to cleaning, flushing or maintenance. When using solvents for cleaning: Those used for equipment flushing should have flash points equal to or higher than those of the coating material. Those used for general cleaning must have flash points above 100°F (37.8°C). Spray booth ventilation must be kept at the rates required by NFPA 33, OSHA, and local codes. In addition, ventilation must be maintained during cleaning operations using flammable or combustible solvents. Electrostatic arcing must be prevented. Test only in areas free of combustible material. Testing may require high voltage to be on, but only as instructed. Non-factory replacement parts or unauthorized equipment modifications may cause fire or injury. If used, the key switch bypass is intended for use only during setup operations. Production should never be done with safety interlocks disabled. Never use equipment intended for use in waterborne installations to spray solvent based materials. The paint process and equipment should be set up and operated in accordance with NFPA-33, NEC, and OSHA requirements.

AREA Tells where hazards may occur.	**HAZARD** Tells what the hazard is.	**SAFEGUARDS** Tells how to avoid the hazard.
General Use and Maintenance 	Improper operation or maintenance may create a hazard. Personnel must be properly trained in the use of this equipment.	Personnel must be given training in accordance with the requirements of NFPA-33. Instructions and safety precautions must be read and understood prior to using this equipment. Comply with appropriate local, state, and national codes governing ventilation, fire protection, operation maintenance, and housekeeping. References OSHA, NFPA-33, and your insurance company requirements.
Electrical Equipment 	High voltage equipment is utilized. Arcing in areas of flammable or combustible materials may occur. Personnel are exposed to high voltage during operation and maintenance. Protection against inadvertent arcing that may cause a fire or explosion is lost if safety circuits are disabled during operation. Frequent power supply shutdown indicates a problem in the system which requires correction. An electrical arc can ignite coating materials and cause a fire or explosion.	The power supply, optional remove control cabinet, and all other electrical equipment must be located outside Class I or II, Division 1 and 2 hazardous areas. Refer to NFPA-33. Turn the power supply OFF before working on the equipment. Test only in areas free of flammable or combustible material. Testing may require high voltage to be on, but only as instructed. Production should never be done with the safety circuits disabled. Before turning the high voltage on, make sure no objects are within the sparking distance.
Toxic Substances 	Certain material may be harmful if inhaled, or if there is contact with the skin.	Follow the requirements of the Material Safety Data Sheet supplied by coating material manufacturer. Adequate exhaust must be provided to keep the air free of accumulations of toxic materials. Use a mask or respirator whenever there is a chance of inhaling sprayed materials. The mask must be compatible with the material being sprayed and its concentration. Equipment must be as prescribed by an industrial hygienist or safety expert, and be NIOSH approved.

AREA Tells where hazards may occur.	**HAZARD** Tells what the hazard is.	**SAFEGUARDS** Tells how to avoid the hazard.
Intended Use	Using coating materials and/or cleaning and flushing solvents which have flash points below 100°F (37.8°C) may cause a fire hazard.	This system is intended for use with waterborne coating formulations only. Waterborne, waterbase and water reducible coatings are considered the same. Although they may not be highly flammable, their residues are considered combustible.
Spray Area / High Voltage Equipment 	This is a high voltage device that can produce electrical arcs capable of igniting coating materials.	Parts being sprayed must be supported on conveyors or hangers and be grounded. The resistance between the part and ground must not exceed 1 megohm. (Reference NFPA-33.) A safe distance must be maintained between the parts being coated and the atomizer bell. A distance of at least 1 inch for each 10 kV of power supply output voltage is required at all times. Parts must be supported so that they will not swing and reduce the clearance specified above. All electrically conductive objects in the spray area, with the exception of those objects required by the process to be at high voltage, must be grounded. Unless specifically approved for use in hazardous locations, the power supply and other electrical equipment must not be used in Class I, Division 1 or 2 locations.

INTRODUCTION

GENERAL DESCRIPTION

The ***AquaTank™*** is ITW Ransburg's patented (US# 5,487,782) Waterbase Isolation Tank used for electrostatic, waterbase spray applications. The AquaTank isolates nonflammable materials from ground, allowing the material to be electrostatically charged and deposited on a target. There is no isolation cage required since the AquaTank contains the voltage within the tank.

The 76103-02 and -05 are agitators used to keep water-based material in suspension without shearing in the LAQU5010 and LAQU5030 AquaTank assemblies. Both agitator assemblies may be ordered factory installed in new tanks, or may be retrofitted into an existing AquaTank. The agitator unit is designed to allow the tank to be filled from the bung adapter.

NOTE

► Without filter/separator, dirt or other contaminants may enter your material and destroy the finish of a product.

⚠ WARNING

► Use this product only with materials which are considered water reducible and have a flashpoint above 100°F (37.8°C). (See NFPA-33.)

► For use with materials which do not sustain burning longer than specified in accordance with ASTM D 4206.

► If you are not sure of the flash point of the material, refer to the Material Safety Data Sheets provided with the material.

⚠ WARNING

► Air pressures that are higher than the pressure rating, or changes to the pressure feed tank, can cause the tank to rupture or explode.

► A safety valve protects the tank from overpressurization. Prior to each use, with no voltage to the tank, pull ring on the safety valve to make sure it operates freely and relieves air pressure. If the valve is stuck, does not operate freely, or does not relieve air pressure, it must be replaced. Do not eliminate, make adjustments, or substitutions to this valve.

► Changes to the air tank will weaken it. Never drill into, weld, or change the tank in any way.

► Maximum working pressure: LAQU5030 is 55 psig; LAQU5010 is 80 psig.

NOTE

► Waterborne, waterbase, and water reducible coating are considered the same. Although they may not be highly flammable, their residues are considered combustible.

SPECIFICATIONS

5 Gallon/30 Liter Tank

Part No.:	LAQU5030-00
Height:	32" (81.3 cm)
Diameter:	21" (53.3 cm)
Capacity:	5 gallons (30 liters)
Weight:	108 lbs. (45 kg)
Pressure Rating:	55 psi (3.74 bar)

2 Gallon/10 Liter Tank

Part No.:	LAQU5010-00
Height:	25" (53.3 cm)
Diameter:	15" (38.1 cm)
Capacity:	2 gallons (10 liters)
Weight:	60 lbs. (27.2 kg)
Pressure Rating:	80 psi (5.44 bar)

Pneumatic

5 Gallon/30 Liters

Agitator Assy. No.:	76103-05
Air Requirements:	15 psig over tank pressure (1 bar)

2 Gallon/10 Liters

Agitator Assy. No.:	76103-02
Air Requirements:	15 psig over tank pressure (1 bar)
Maximum Agitator Inlet Pressure:	100 psig (1 bar)

⚠ WARNING

► **DO NOT** use or store the AquaTank in temperatures below 40°F (5°C) or above 110°F (45°C).

MATERIALS OF CONSTRUCTION

All wetted fluid parts are constructed of Delrin, fiberglass, or stainless steel, HD Polyethylene.

INSTALLATION

AQUATANK INSTALLATION
(Refer to Figure 3)

⚠ WARNING

► Static electricity is created by the flow of fluid through the pressure tank and hose. If all parts are not properly grounded, sparking may occur. Sparks can ignite vapors from solvents and the fluid being sprayed.

► If static sparking, or slight shock is experienced while using this equipment, stop spraying immediately.

► Ground the pressure tank by connecting one end of a 12-gauge minimum ground wire to the pressure tank ground stud and the other end to a true earth ground. Local codes may have additional grounding requirements.

⚠ WARNING

► **Pressure Relief Procedure:** High pressure can cause serious injury. Pressure is maintained in a pressure tank after the system has been shut down. Before attempting removal of fill plug or cover, pressure must be relieved using the following steps:

- Ensure the power supply is turned **OFF**.
- Turn **OFF** the main air supply to the tank.
- **BLEED OFF** air in tank by pulling the air relief valve stem, or use a relief valve at the regulator. Wait until all the air has escaped through the valve before removing the pressure tank cover or fill plug.

Mix and prepare material to be used according to manufacturer's instructions. Strain material through a fine mesh screen to remove lumps, skin, and foreign matter that might enter and clog fluid passages and/or spray equipment.

1. Follow "Pressure Relief Procedure" described in previous "Warning".

2. To add material to the AquaTank, remove lid and pour directly into the container.

⚠ WARNING

► Use only recommended ITW Ransburg approved fluid pail for this product. Failure to use approved fill pail may defeat bleed resistor function.

3. Replace the lid assembly and tighten all securing knobs.

NOTE

► Keep fingers clear of pinch point.

4. Connect ground wire to true earth ground (reference NFPA-70).

⚠ WARNING

► Failure to ground may cause improper tank function. The tank **MUST BE** grounded.

⚠ CAUTION

► Ensure that the ground sheath of the waterborne hose has been stripped back at least 6" to 12" from the outlet fitting (Item 26).

5. The air supply hose should be connected to a regulated air source, which should include a filter/water separator to remove air line impurities.

NOTE

► Without filter/separator, dirt or other contaminants may enter your material and destroy the finish of a product.

NOTE

► Grounded or static dissipating air hoses **MUST NOT** be used to supply air to the tank.

6. If initial installation, remove fluid outlet cover bolts (Item 1). Insert approved ITW Ransburg waterborne hose through the strain relief.

7. Connect the hose (3/8" ODT) into the fitting and tighten securely.

8. Replace fluid outlet cover and secure bolts (Item 1).

9. Secure strain relief bolts.

AGITATOR INSTALLATION
(Refer to Figure 4)

1. Remove ALL pressure from the AquaTank.

⚠ WARNING

► **Pressure Relief Procedure:** High pressure can cause serious injury. Pressure is maintained in a pressure tank after the system has been shut down. Before attempting removal of fill plug or cover, pressure must be relieved using the following steps:

- Ensure the power supply is turned **OFF**.
- Turn **OFF** the main air supply to the tank.
- **BLEED OFF** air in tank by pulling the air relief valve stem, or use a relief valve at the regulator. Wait until all the air has escaped through the valve before removing the pressure tank cover or fill plug.

2. Remove the star-grip nuts which secure the tank lid to the tank.

3. Remove the bung lid adapter and store for use at a later time.

4. Remove the screw (Item 46) and mixer (Item 45) from the assembly.

5. Place the entire unit through the bung hole and tighten into place.

6. Reinstall screw (Item 46) and mixer (Item 45) into unit.

7. Reinstall lid and tighten the star-grip nuts.

8. Attach a 1/4" ODT regulated air line to bulkhead fitting (Item 31).

9. Turn the air pressure up to 15-20 psig above tank pressure. This cycles the AquaTank at the proper rate.

OPERATION

AQUATANK OPERATION

1. Turn on power to control unit/power supply.

2. Ensure the tank is properly grounded.

3. Turn air pressure on at wall regulator.

4. Trigger gun. While gun is triggered, contents of the tank will be electrostatically charged.

5. When the trigger is released, the tank bleed resistor bleeds the voltage stored in the tank directly to ground.

⚠ WARNING

► **DO NOT** relieve pressure in the tank **UNTIL** the voltage has been bled to ground.

AGITATOR

(Refer to Figure 4)

Filling The Tank

An AquaTank equipped with an Agitator may still be filled without removing the tank.

⚠ WARNING

► **Pressure Relief Procedure:** High pressure can cause serious injury. Pressure is maintained in a pressure tank after the system has been shut down. Before attempting removal of fill plug or cover, pressure must be relieved using the following steps:

- Ensure the power supply is turned **OFF**.
- Turn **OFF** the main air supply to the tank.
- **BLEED OFF** air in tank by pulling the air relief valve stem, or use a relief valve at the regulator. Wait until all the air has escaped through the valve before removing the pressure tank cover or fill plug.

1. Remove the agitator assembly by turning the assembly counter-clockwise from the bung hole.

2. When the assembly is loose, pull it up until the housing (Item 43) is out of the hole.

(The tank may now be filled.)

3. When complete, retighten the agitator assembly in place.

Operation

Pressurize the air line to 15-20 psig above the tank pressure. This allows the agitator to cycle at the proper speed for suspending the pigments of the waterborne materials without shearing the material.

MAINTENANCE

PREVENTIVE MAINTENANCE

⚠ WARNING

► The function of the tank depends upon the cleanliness of the **INTERNAL FILL PAIL** / contact interface. This contact area **MUST** be kept clean.

1. Turn OFF air supply.

2. Turn OFF voltage at power supply/ control unit.

3. Follow "Pressure Relief Procedure" described in previous "Warnings".

4. Remove lid by removing all hold-down knobs.

5. Remove fill pail.

6. Clean internal parts of the tank and fill pail with appropriate solvent for the material being used.

BLEED RESISTOR
(Refer to Figure 3)

Maintenance
In the AquaTank there is a bleed resistor which allows the charge in the tank to be connected to ground when the power supply is not delivering voltage to the applicator in use.

Testing
1. Ensure ALL pressure and voltage is REMOVED from the tank.

2. Remove the tank lid assembly by removing the star grip nuts (Item 13).

3. Remove the fill pail insert (Item 18).

4. Using a megohm meter, measure the resistance between the ground stud on the outside of the tank and the fill pail contact interface. This valve should be 1 gigohm +/-10%. If the resistance value is out of this range, the bleed resistor needs to be replaced.

Replacements
For units manufactured prior to 8/99:
These units will require factory replacement of the resistor. Ship the unit back to the factory for replacement. After this replacement, the bleed resistor will then be field replaceable.

For units manufactured after 8/99 or factory serviced:
1. Loosen ground stud and remove nut an washers.

2. Turn tank upside down to expose the bottom of the tank.

⚠ CAUTION

► Be careful **NOT TO** damage the threads of the tank studs.

3. Remove the 1/4-20 nuts which secure the resistor block to the ground strap bolt (Item 23). Remove the wire from the stud.

4. Remove the 5/16-18 nuts from the outside ground connection of the tank.

5. Pull the resistor block back to remove the bolt from the wall of the tank. Remove the 1/4-20 bolts which secure the resistor block wire to the tank.

6. Test the resistor block using a megohm meter across the ground stud and connector wire. Resistance should be 1.0 gigohm (1000 megohms) +/-10%. If resistance is out of this range, replace resistor block.

7. Replace components in reverse order of which they were removed.

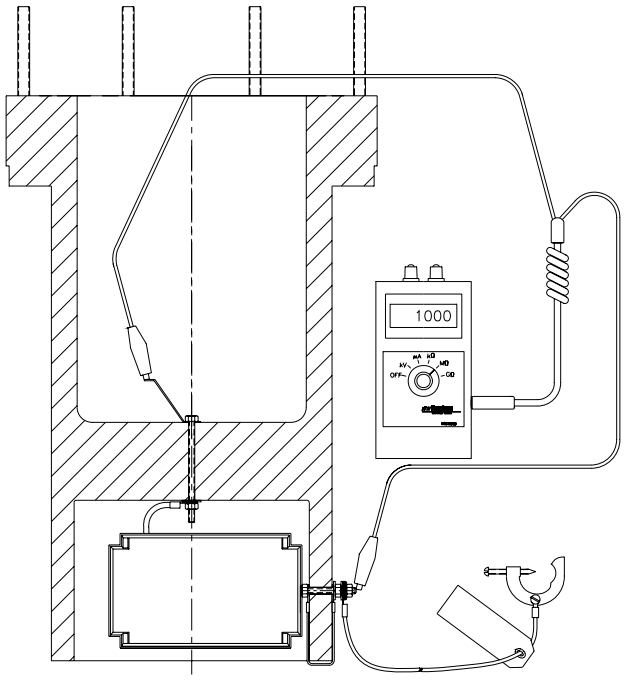


Figure 1: Tank Resistor

AGITATOR

If the tubing for the agitator should ever require maintenance, the following figure shows the tubing schematic. Using the view of the timer, connect tube as shown.

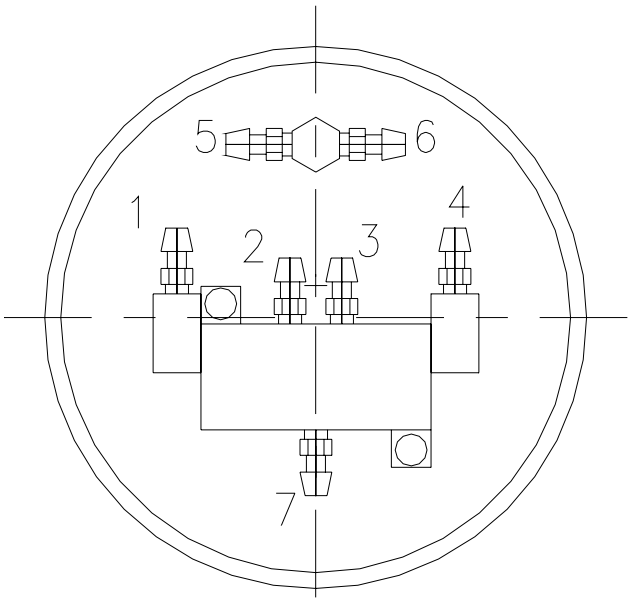


Figure 2: Timer Without Lid

- Position 1 to position 3 approximate tube length 3".
- Position 2 to position 5 approximate tube length 3-1/2".
- Position 4 to position 6 approximate tube length 2".
- Position 7 to bulkhead fitting approximate length 4".

TROUBLESHOOTING GUIDE

General Problem	Cause	Solution
Electrical:		
No Voltage at Gun	1. Resistor block has failed	1. Test and replace as necessary.
Low Voltage Tip	1. Resistor block is failing	1. Test and replace as necessary.
High Current Draw	1. Ground sheath of water-base hose not stripped back from tank outlet	1. Ensure conductive sheath of waterbase hose has been removed 6" to 12" from outlet fitting.
Leakage:		
Tank Does Not Hold Pressure	1. O-ring seal is bad 2. Star grip nuts not tight.	1. Replace defective o-ring. 2. Tighten star grip nuts.

PARTS IDENTIFICATION

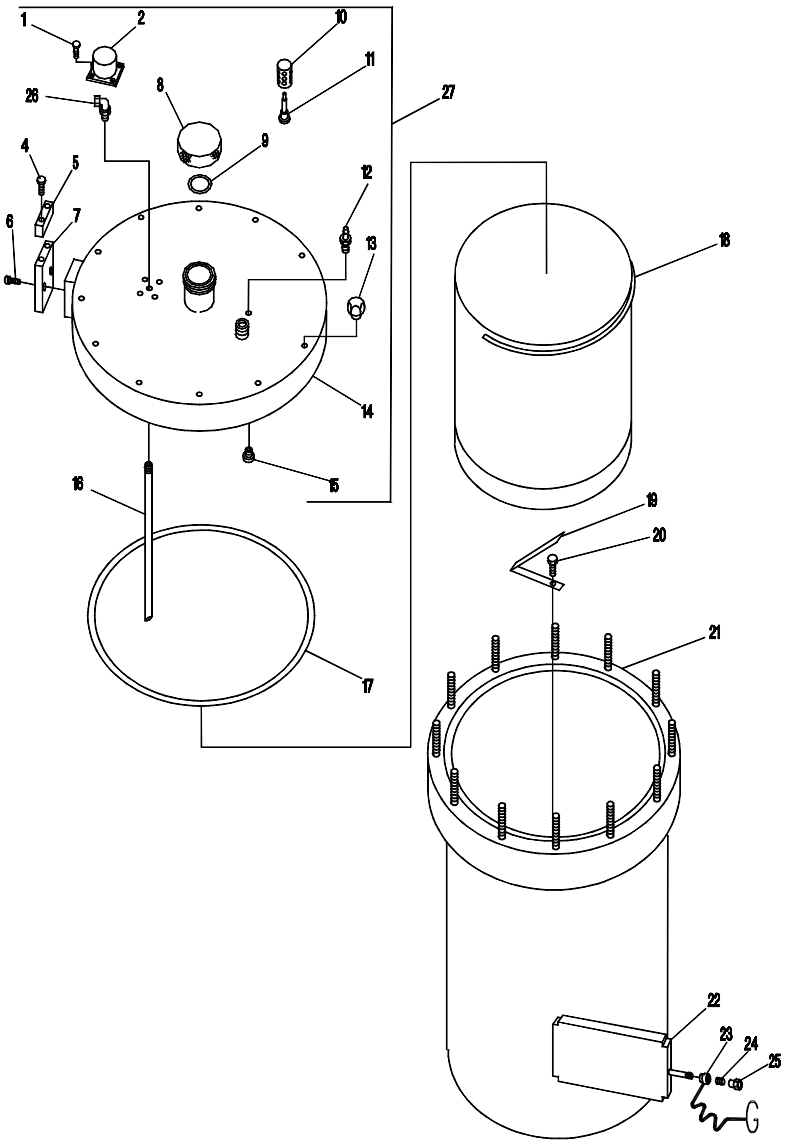


Figure 3: AquaTank

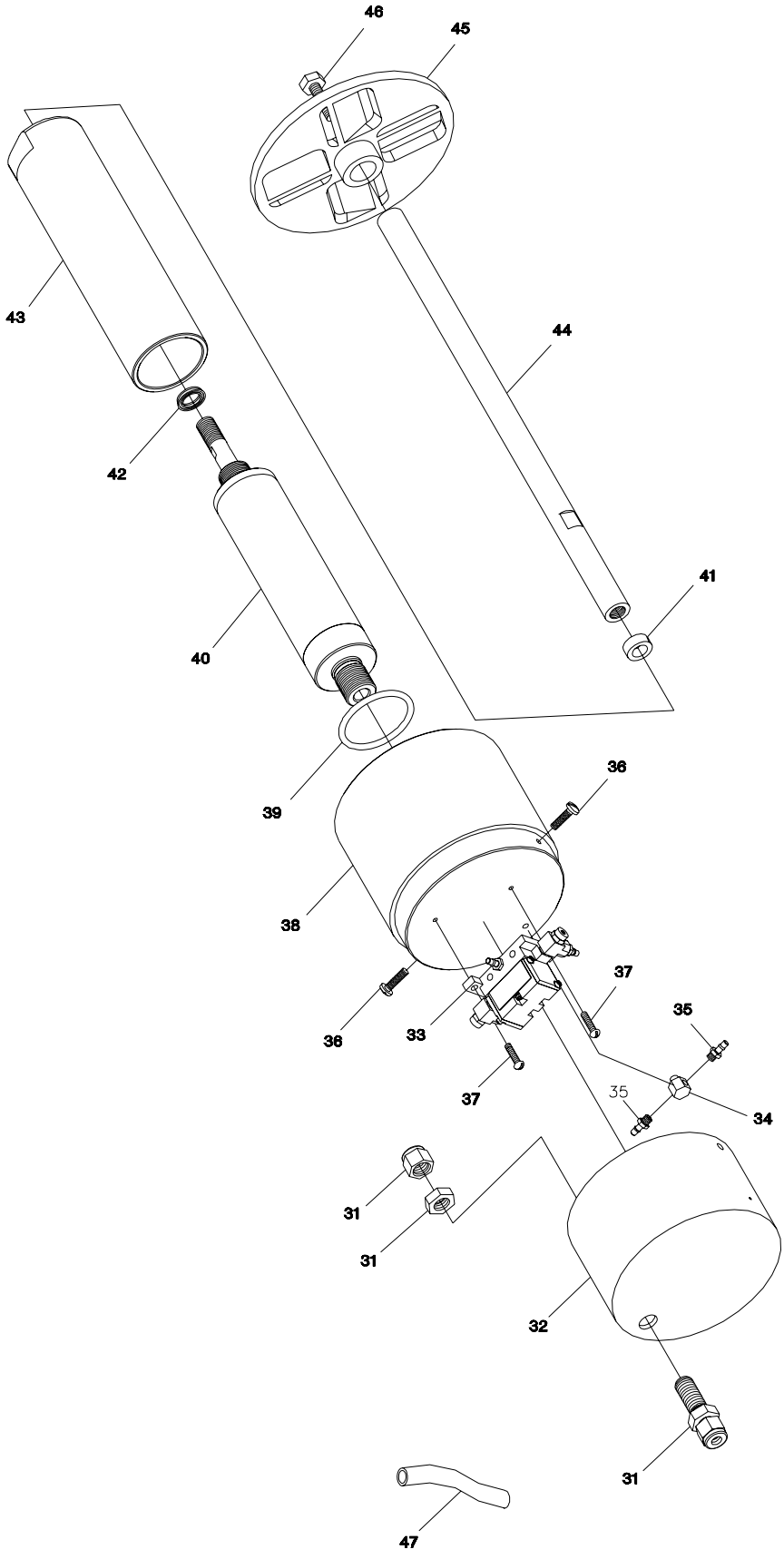


Figure 4: Agitator for AquaTank

VOLTAGE ISOLATION TANK (2 GALLON) - PARTS LIST (Figures 3 & 4)

Item #	Description	Part Number
	Complete Assembly	LAQU5010-00
1	Screw, Nylon (4 Required)	75805-00
2	Fluid Outlet Cover	75804-00
4	Screw, Nylon Strain Relief (2 Required)	75801-00
5	Upper Bracket for Strain Relief	75802-00
6	Screw, Metallic Strain Relief (4 Required)	75800-00
7	Lower Bracket for Strain Relief	75803-00
8	Bung Lid	75825-00
9	O-Ring, Bung Lid	75721-00
10	Safety Valve Cover	75812-00
11	Relief Valve	75722-01
12	Air Inlet Nipple	75806-00
13	Nut, Star Grip (8 Required)	75720-00
14	Bare Lid	77066-01
15	Air Outlet Diffuser	75807-00
16	Pick-Up Tube	75724-01
17	O-Ring, Lid	75723-01
18	Bucket Assembly	77473-00
19	Ground Strap	75810-00
20	Ground Strap Bolt	75809-00
22	Resistor Block	76984-00
23	Ground Wire	LSME0075-00
24	Washer, 5/16-18 (2 Required)	7486-07
25	Nut, 5/16-18 (2 Required)	7733-14
26	Fitting, 1/4" NPT x 3/8" OD	LSFI0048-00
27	Lid Assembly *(Includes Items 1 Through 16)*	76606-02
	Agitator for AquaTank *(Complete Assembly)*	76103-02
31	Bulk Head	SSP-7509
32	Agitator Cover	76244-00
33	Timer Assembly	76250-00
34	Branch Tee	76248-00
35	Fitting, Barb (5 Required)	76427-00
36	Screw, 8/32", Nylon (2 Required)	8350-20
37	Screw, #6, Fillister Head Machine	7747-20C
38	Agitator Head Assembly	76245-00
39	O-Ring	7554-36
40	Agitator Cylinder	76208-00
41	Spacer, Shaft	78971-00
42	U-Cup Seal	76205-07
43	Agitator Piston Housing	76204-00
44	Agitator Shaft	76206-04
45	Agitator Mixer	76207-00
46	Screw, 5/16-18, Fiberglass	LSFA0028-02
47	Tubing, Flexible (12-1/2" Required)	76246-00

VOLTAGE ISOLATION TANK (5 GALLON) - PARTS LIST (Figures 3 & 4)

Item #	Description	Part Number
	Complete Assembly	LAQU5030-00
1	Screw, Nylon (4 Required)	75805-00
2	Fluid Outlet Cover	75804-00
4	Screw, Nylon Strain Relief (2 Required)	75801-00
5	Upper Bracket for Strain Relief	75802-00
6	Screw, Metallic Strain Relief (4 Required)	75800-00
7	Lower Bracket for Strain Relief	75803-00
8	Bung Lid	75825-00
9	O-Ring, Bung Lid	75721-00
10	Safety Valve Cover	75812-00
11	Relief Valve	75722-02
12	Air Inlet Nipple	75806-00
13	Nut, Star Grip (12 Required)	75720-00
14	Bare Lid	77066-02
15	Air Outlet Diffuser	75807-00
16	Pick-Up Tube	75724-02
17	O-Ring, Lid	75723-02
18	Bucket Assembly	77473-01
19	Ground Strap	75810-00
20	Ground Strap Bolt	75809-00
22	Resistor Block	76984-00
23	Ground Wire	LSME0075-00
24	Washer, 5/16-18 (2 Required)	7486-07
25	Nut, 5/16-18 (2 Required)	7733-14
26	Fitting, 1/4" NPT x 3/8" OD	LSFI0048-00
27	Lid Assembly *(Includes Items 1 Through 16)*	76606-05
	Agitator for AquaTank *(Complete Assembly)*	76103-05
31	Bulk Head	SSP-7509
32	Agitator Cover	76244-00
33	Timer Assembly	76250-00
34	Branch Tee	76248-00
35	Fitting, Barb (5 Required)	76427-00
36	Screw, 8/32", Nylon (2 Required)	8350-20
37	Screw, #6, Fillister Head Machine (2 Required)	7747-20C
38	Agitator Head Assembly	76245-00
39	O-Ring	7554-36
40	Agitator Cylinder	76208-00
41	Spacer, Shaft	78971-00
42	U-Cup Seal	76205-07
43	Agitator Piston Housing	76204-00
44	Agitator Shaft	76206-03
45	Agitator Mixer	76207-00
46	Screw, 5/16-18, Fiberglass	LSFA0028-02
47	Tubing, Flexible (12-1/2" Required)	76246-00

WARRANTY POLICIES

LIMITED WARRANTY

ITW Ransburg will replace or repair without charge any part and/or equipment that falls within the specified time (see below) because of faulty workmanship or material, provided that the equipment has been used and maintained in accordance with ITW Ransburg's written safety and operating instructions, and has been used under normal operating conditions. Normal wear items are excluded.

THE USE OF OTHER THAN ITW RANSBURG APPROVED PARTS, VOID ALL WARRANTIES.

SPARE PARTS: One hundred and eighty (180) days from date of purchase, except for rebuilt parts (any part number ending in "R") for which the warranty period is ninety (90) days.

EQUIPMENT: When purchased as a complete unit, (i.e., guns, power supplies, control units, etc.), is one (1) year from date of purchase. **WRAPPING THE APPLICATOR, ASSOCIATED VALVES AND TUBING, AND SUPPORTING HARDWARE IN PLASTIC, SHRINK-WRAP, OR ANY OTHER NON-APPROVED COVERING, WILL VOID THIS WARRANTY.**

ITW RANSBURG'S ONLY OBLIGATION UNDER THIS WARRANTY IS TO REPLACE PARTS THAT HAVE FAILED BECAUSE OF FAULTY WORKMANSHIP OR MATERIALS. THERE ARE NO IMPLIED WARRANTIES NOR WARRANTIES OF EITHER MERCHANTABILITY OR FITNESS FOR A PARTICULAR PURPOSE. ITW RANSBURG ASSUMES NO LIABILITY FOR INJURY, DAMAGE TO PROPERTY OR FOR CONSEQUENTIAL DAMAGES FOR LOSS OF GOODWILL OR PRODUCTION OR INCOME, WHICH RESULT FROM USE OR MISUSE OF THE EQUIPMENT BY PURCHASER OR OTHERS.

EXCLUSIONS:

If, in ITW Ransburg's opinion the warranty item in question, or other items damaged by this part was improperly installed, operated or maintained, ITW Ransburg will assume no responsibility for repair or replacement of the item or items. The purchaser, therefore will assume all responsibility for any cost of repair or replacement and service related costs if applicable.

ITW Ransburg

MANUAL CHANGE SUMMARY

This manual was published to replace Service Manual **IS-99-01.2**, *AquaTank*, to make the following changes:

1. Added "Service Manual Price - €25.00 (Euro) to "Front Cover".

2. Removed CE from "Front Cover".

3. Added "New Safety Symbols" in the "Safety" section.

4. Removed "Appendix" section. See literature "IL-307 Technical Supplement for All Products".

5. Added "Service Manual Price - €25.00 (Euro) to "Back Cover".

6. Added "www.itwransburg" to "Back Cover".

Service Manual Price: €25.00 (Euro)
$30.00 (U.S.)

Manufacturing
1910 North Wayne Street
Angola, Indiana 46703-9100
Telephone: 260/665-8800
Fax: 260/665-8516

Technical/Service Assistance

Automotive Assembly and Tier I	Telephone: 800/ 626-3565	Fax: 419/ 470-2040
Industrial Systems	Telephone: 800/ 233-3366	Fax: 419/ 470-2071
Ransburg Guns	Telephone: 800/ 233-3366	Fax: 419/ 470-2071

www.itwransburg.com

Technical Support Representative will direct you to the appropriate telephone number for ordering Spare Parts.

Form No. IS-99-01.3
Litho in U.S.A.
08/07