



"Our technology, your solution"
ULTRASONICPOWER
CORPORATION

Console Dryer Manual



Ultrasonic Power Corporation

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Congratulations,

You have just purchased the best ultrasonic cleaning system available to the market today. We here at Ultrasonic Power Corporation take pride in our products and our ability to provide our customers with the best quality service available. Please take some time to familiarize yourself with this manual and all aspects of the system configuration prior to start-up. We know that your Ultrasonic Power Corporation cleaning system will serve you for years to come. Thank you again for selecting Ultrasonic Power Corporation for your cleaning needs.

Sincerely,

The Ultrasonic Power Family

Please read the entire manual. Hot air drying systems use updraft hot air with temperatures up to 180°F. When removing work baskets from the unit, use protective gloves or allow the basket to cool prior to handling. Countertop surfaces can become hot during extended periods of operation.

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Warnings

Warning Symbols

Danger



The **DANGER** symbol means that failure to follow this safety statement **WILL** result in personal injury or death.

Warning



The **WARNING** symbol means that failure to follow this safety statement **MIGHT** result in personal injury or death.

Caution



The **WARNING** symbol means that failure to follow this safety statement **MIGHT** result in personal injury or property damage.

High Voltage



The **HIGH VOLTAGE** symbol means that failure to follow this safety statement **MIGHT** result in personal injury or death.

SAFETY PRECAUTIONS

The following safety precautions should be observed when operating or servicing this equipment.



CAUTION: Incorrect voltage can damage the system. Do not operate the equipment unless the correct voltage is available. Contact the proper authority about necessary changes at the wall receptacle.



WARNING: Always disconnect all power to the system prior to performing preventative maintenance within the compartments. Electrical shock can cause serious injury or death.



WARNING: Extremely high voltages, which can cause death on contact, are present in electrical circuits of the system. Always use the following precautions when working on the equipment.



Do not attempt to override safety interlocks.



When servicing live electronic equipment, always work with one hand in your pocket or behind your back, and stand on an insulated pad (e.g., rubber). That way if you get shocked, the current will not pass through your torso.



Do not carry on conversation or permit yourself to be distracted in any manner while servicing live equipment.



Never service live equipment unless someone else is in the same room with you.

SAFETY PRECAUTIONS (Continued)



Never turn off the main power switch in some remote spot and then service equipment without also pulling plug on line cord.



In the event of shock, artificial respiration should be applied immediately. If possible, by a person trained in administering such treatment.



This equipment is intended to be utilized indoors in an ambient temperature of 50°F to 95°F.



This system contains one power cord that is required to be attached to a properly rated three wire fusible disconnect with a grounding connection capable of handling twice the rated current. The wires are colored as follows: black - hot / ungrounded, white - return / grounded, green & yellow - protective earth. The system also contains one drain valve for tank content drainage. The drain can be plumbed into a facility drain or remain unplumbed for added mobility on draining locations.



Recommend the use of NRTL approved electrical plug for use with this system. Select the appropriate plug for the voltage and current rating of the unit as per the respective national standard. When the plug is installed, make sure the wires are cut so that the protective earth is the last to take the strain. Electrical plugs should be installed only by a certified electrician.

1. Specifications

39 Dryer	
	Standard
Overall Length Tank	23.15"
Overall Width Tank	48.90"
Overall Height Tank	42.24"
Tank Length	18"
Tank Width	32"
Tank Depth	16.08"
Working Depth	16.08"
Weight (Empty)*	390 lbs.
Electrical Supply Requirements	230V/240V-1P 50/60 Hz
System Supply Requirements	15 Amps
Heater Power	3000 Watts
Maximum Operating Temperature	180°F
(*) Approximate weight. Subject to change. Not the same as shipping weight. (**) 70°F-140°F change of temperature with stainless steel lid on machine. Heat up times can be shortened by turning on the ultrasonics at 100% intensity during heat up time. Unit is equipped with circuit breakers Only trained personnel, not the operator, should reset the circuit breakers.	

90 Dryer	
	Standard
Overall Length Tank	27"
Overall Width Tank	71.60"
Overall Height Tank	42.23"
Tank Length	22"
Tank Width	48"
Tank Depth	20"
Working Depth	20"
Weight (Empty)*	460 lbs.
Electrical Supply Requirements	230V/240V-1P 50/60 Hz
System Supply Requirements	23.3 Amps
Heater Power	5000 Watts
Maximum Operating Temperature	180°F
(*) Approximate weight. Subject to change. Not the same as shipping weight. (**) 70°F-140°F change of temperature with stainless steel lid on machine. Heat up times can be shortened by turning on the ultrasonics at 100% intensity during heat up time. Unit is equipped with circuit breakers Only trained personnel, not the operator, should reset the circuit breakers.	

135 Dryer	
	Standard
Overall Length Tank	29"
Overall Width Tank	66.5"
Overall Height Tank	45.26"
Tank Length	24"
Tank Width	54"
Tank Depth	24"
Working Depth	24"
Weight (Empty)*	500 lbs.
Electrical Supply Requirements	230V/240V-1P 50/60 Hz
System Supply Requirements	23.33 Amps
Heater Power	5000 Watts
Maximum Operating Temperature	180°F
(*) Approximate weight. Subject to change. Not the same as shipping weight. (**) 70°F-140°F change of temperature with stainless steel lid on machine. Heat up times can be shortened by turning on the ultrasonics at 100% intensity during heat up time. Unit is equipped with circuit breakers Only trained personnel, not the operator, should reset the circuit breakers.	

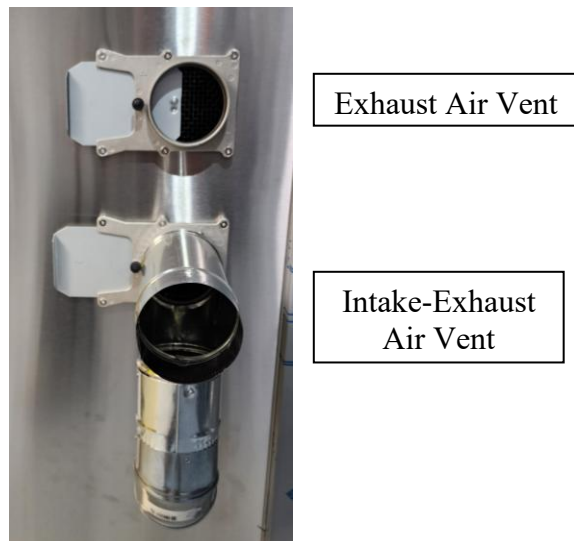
204 Dryer	
	Standard
Overall Length Tank	33"
Overall Width Tank	100.92"
Overall Height Tank	45.23"
Tank Length	28"
Tank Width	70"
Tank Depth	24"
Working Depth	24"
Weight (Empty)*	575 lbs.
Electrical Supply Requirements	230V/240V-1P 50/60 Hz
System Supply Requirements	27.5 Amps
Heater Power	6000 Watts
Maximum Operating Temperature	180°F
(*) Approximate weight. Subject to change. Not the same as shipping weight. (**) 70°F-140°F change of temperature with stainless steel lid on machine. Heat up times can be shortened by turning on the ultrasonics at 100% intensity during heat up time. Unit is equipped with circuit breakers Only trained personnel, not the operator, should reset the circuit breakers.	

2. Operating Instructions

2.1. General

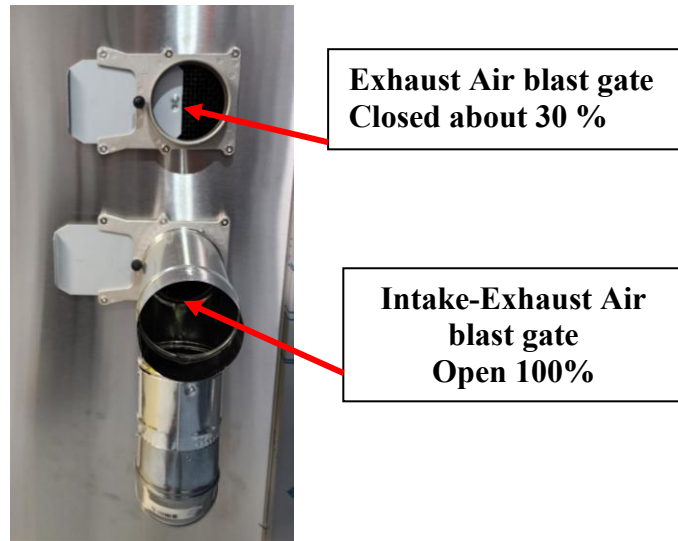
1. **Description** – The dryer consists of a stainless-steel drying chamber, lift-off lid, and an exhaust port. The lid seals the chamber while permitting updraft air to dry items placed within the chamber. The temperature of the air, up to 180°F, is adjusted by the digital temperature controller on the control panel. Moist air is dispelled from the exhaust port.
2. **Power Requirements** – All switches should be in the “OFF” position before making any electrical connection. Ensure the facility electrical circuit is rated for the current required for this unit to operate.
3. **Exhaust System** – Provision for external exhaust ducting is present at the rear of the unit. When internal ducting is employed, there should be at least 4” clearance from the back of the unit to the nearest wall. When external ducting is provided, there still should be at least 2” clearance from the back of the unit to the nearest wall. This will permit free flow of cooling air around the unit. **See images below.**
4. **Dryer Heat Adjustment-** the unit is equipped with two blast gates. One on the intake and one on the exhaust. By slight adjustment you can control the unit’s heat by the following steps.

4.1 Exhaust air-The upper 4” duct is for exhaust air only.



4.2 Intake-Exhaust air- the lower 4" duck is for intake air and exhaust air.

The blast gate can be used to adjust the incoming air temp by opening the blast gate to add more returning hot air or by closing the blast gate to add less hot air. To get slightly more hot air you can close the upper exhaust air blast gate a small amount.



Do not close the upper or lower Exhaust Air Blast Gates too much or you could cause the units overtemp to shut down the system.

5. Operating the Digital Controller

The system is equipped with a digital controller for managing the temperature and timers. The temperature of the system will automatically be maintained based upon the set temperature. Setting the timer will allow for precise control of the length of the ultrasonic cleaning cycle. Below is additional information regarding the operation of this controller.



Figure 1 Novus Controller Front Panel

Display: Shows the measured variable, symbols of the configuration parameters and their values / conditions.

Run Indicator: Indicates that the controller is enabled to operate.

OUT Indicator: Indicates the instantaneous state of the control output.

A1 Indicator: Signalize the output state of T1.

Tapping the 'P' key will cycle between pages. There are three pages in total:

1. Current Temperature (Red) & Set Temperature (Green)
 - Use the arrow keys to adjust set temperature
2. Current Temperature (Red) & Time Remaining (Green)
3. 't1' (Red) & Time Remaining (Green)
 - Use the arrow keys to adjust set time

6. **Power On** – Turn **ON** the main power switch.



Figure 2 POWER BUTTON

7. Operation

7.1 Start Up:

Rotate the momentary **HEAT switch** to **On** to activate blower and heating elements, switch will return to center position when release.

Switch will be illuminated when heat is activated.

Allow the dryer to heat up. The dryer will heat up more quickly if the lid is closed. Open the lid and lower the parts into the dryer. Close the lid and allow the parts to remain in the dryer for the desired drying time.



Figure 3 HEAT ACTIVATION

7.2 Shut Down:

Rotate the momentary **HEAT** switch to **COOL DOWN** to deactivate heating elements, switch will return to center position when released. **Switch will become non illuminated. Blower will continue to run for a period of time set by the manufacture and will then shut off.**



Figure 4 DRYER SHUT DOWN

After blower has turned off you can press the main power button to deactivate the unit.

We recommend using the COOL DOWN feature to properly cool down the heating elements.

DON'T ADJUST THE TIME SET ON THE DELAY OFF TIMER TD1. IF THERE IS A PROBLE CONTACT ULTRASONIC POWER.

Note: Do not leave the lid open for extended periods of time while the heaters are on. This could lead to an over-temperature shutdown and possibly damage the heating elements.

Remove Part – Open the lid. Using proper gloves remove the parts from the dryer.

8. **Power Off** – Turn **OFF** the main power switch.

We recommend when powering off unit to use the COOL DOWN feature to properly cool down the heating elements before turning Off the Main Power.

3. Inspection and Maintenance

3.1. General

The maintenance described in this section should be performed at best intervals determined by the usage of the equipment, unless otherwise indicated. Should a problem occur when operating the unit, contact an Ultrasonic Power Corporation representative. **Be sure to disconnect electrical power to unit before removing any panels for servicing!**

3.2. PERFORMANCE VERIFICATION

1. Check installation requirements against specifications in Section 1.
 - a. Inspect overall unit for signs of damage or misaligned parts.
 - b. Ensure unit is as level as possible.
 - c. If applicable, make sure the castors are locked in place to prevent movement of system during operation.
 - d. If applicable, be sure all side panels are in place on the system.

NOTE: All side panels must be installed prior to operation to allow for proper airflow to the system. This also protects the operator from potential shock.

2. Check input voltage at the wall receptacle. The voltage at the wall receptacle must be the same rating for the system for the system to operate properly. Make sure system is grounded properly or erratic operation may occur with optional Sonic Touch II control panel.



Caution: Incorrect voltage can damage the unit. Do not proceed unless the above voltage readings are obtained. Contact the proper authority about necessary changes at the wall receptacle.

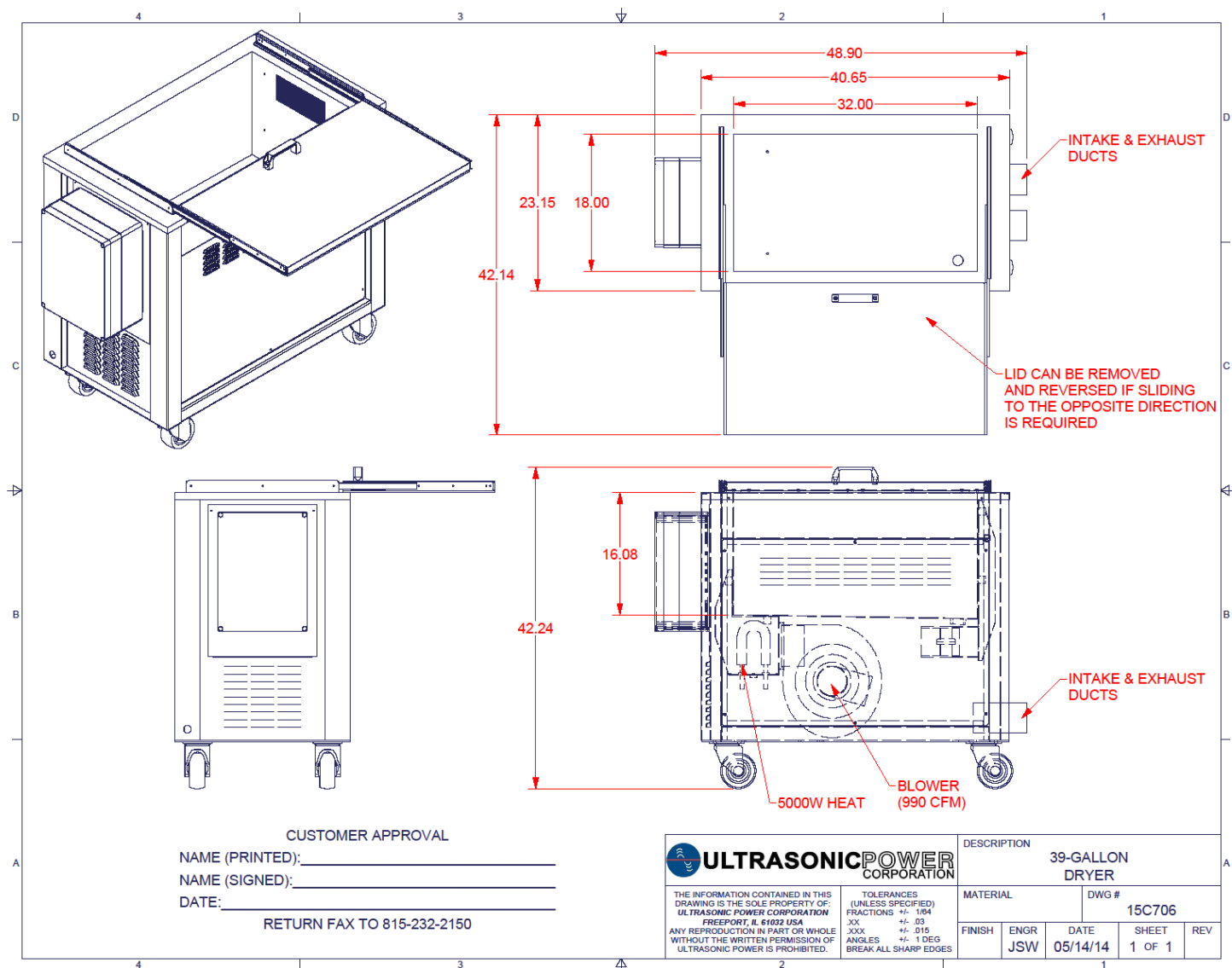


WARNING: ALWAYS SET BUILDING ELECTRICAL-SUPPLY DISCONNECT SWITCH AND CLEANER MASTER POWER SWITCH AT "OFF", OR DISCONNECT POWER CORD FROM WALL RECEPTACLE, BEFORE PERFORMING ANY PREVENTATIVE MAINTENANCE FUNCTIONS WITHIN ANY COMPARTMENTS. ELECTRICAL SHOCK CAN CAUSE SERIOUS INJURY.

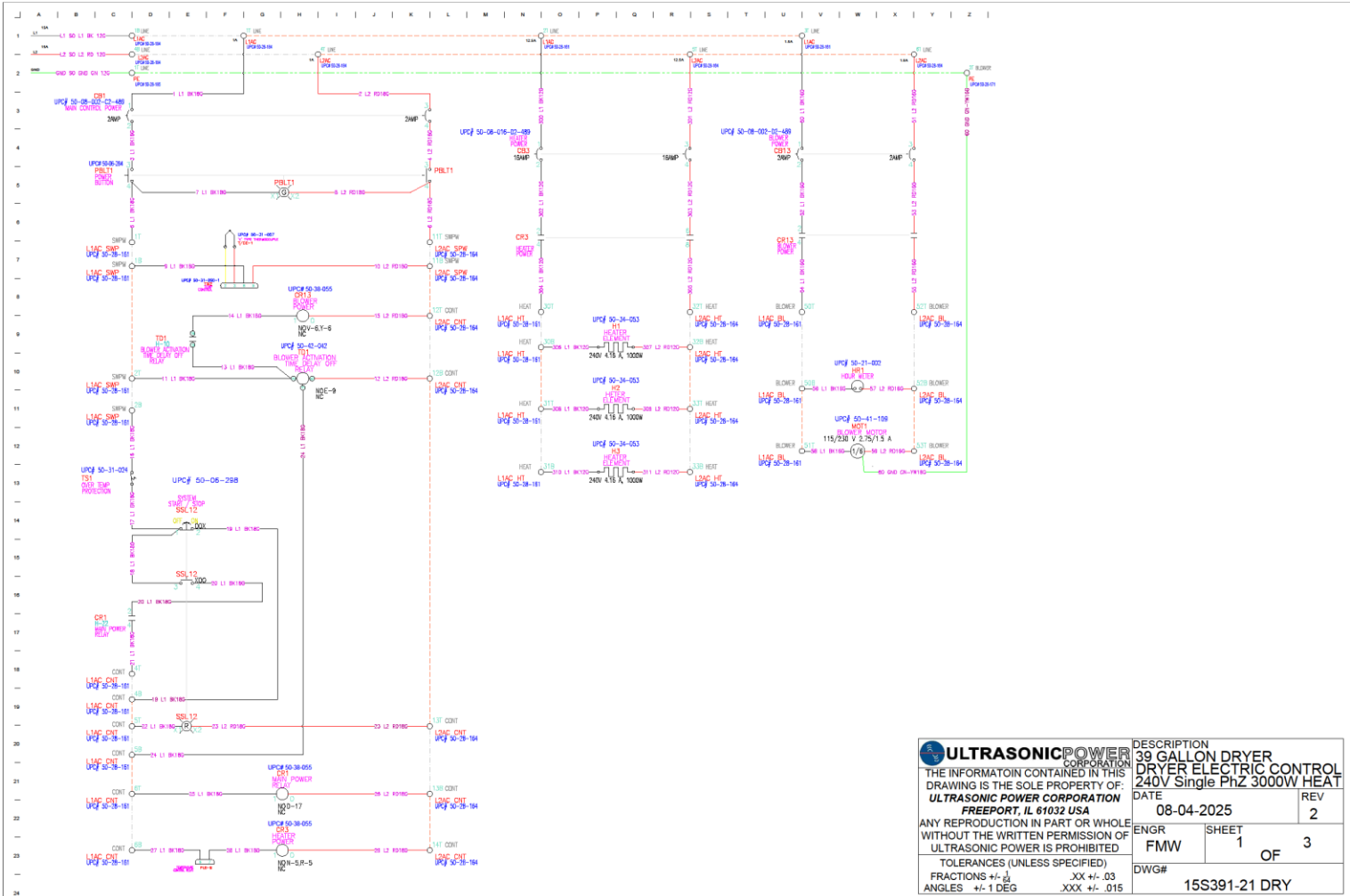
3. **Over-temperature Cutoff** – (factory pre-set at 130°C or 266°F) This thermostat monitors the heater temperature on the blower. In the event that the heaters temperature gets too hot, **The system will shut down the heat, and the Heat Selector Switch will become non illuminated, The blower will continue to run for the factory set cool down time and then turn off.** The thermostat is located in front of the blower. Allow unit to cool and have a qualified technician inspect the machine before turning back on.
4. **System restart** – after having a qualified technician inspect the machine follow the startup procedure outlined in **Section 2.**
5. **Preventative Cleaning** – Clean and check the bottom of the drying chamber periodically and remove broken or dropped parts that may have been left in the tank. This will minimize the probability of them becoming lodged in a drain line and causing a service problem. Also check the blower near the rear of the unit for any collected dust and debris.

4. Diagrams and Drawings

4.1 39-GAL Dryer Drawing

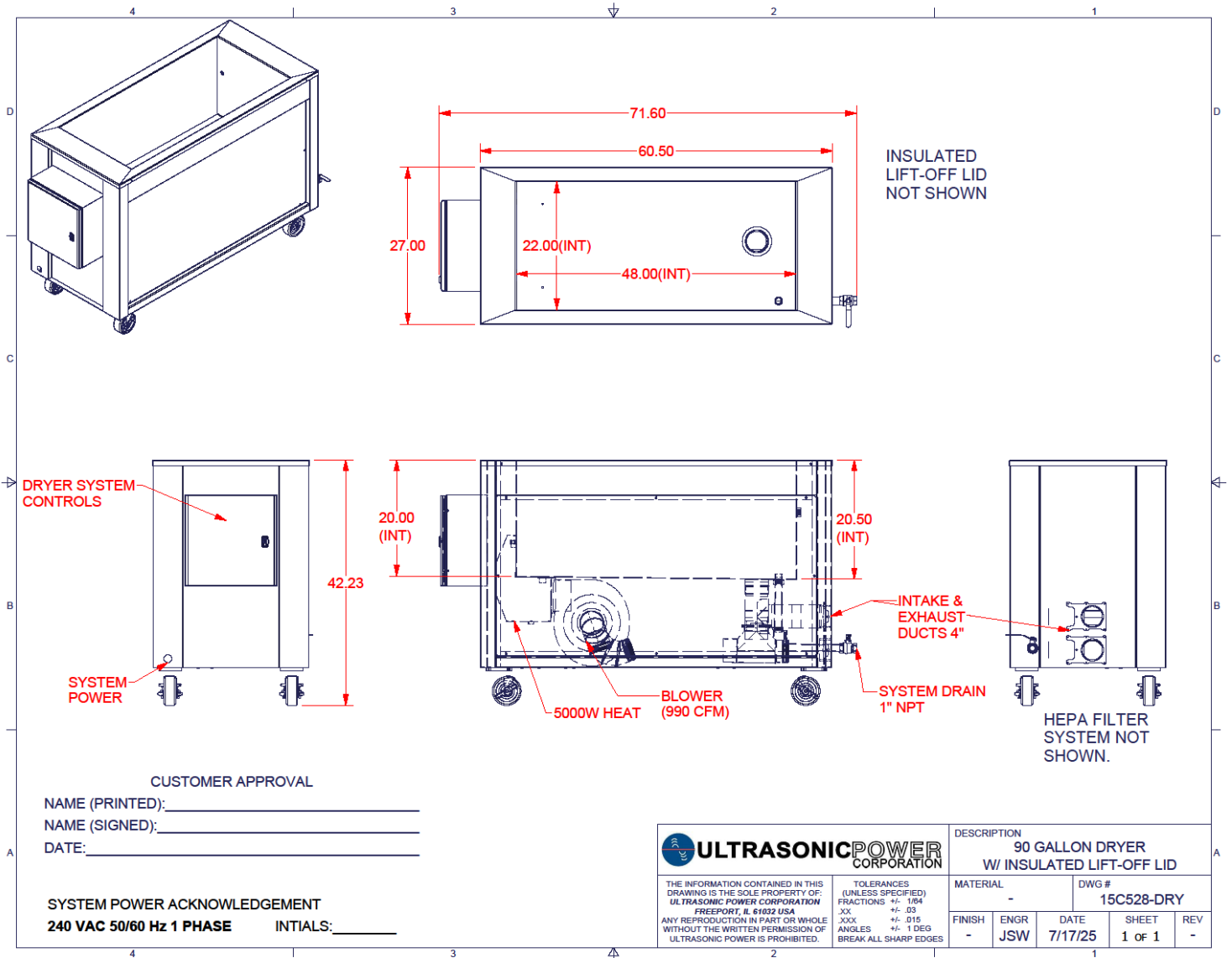


4.2 39-GAL Dryer Schematics

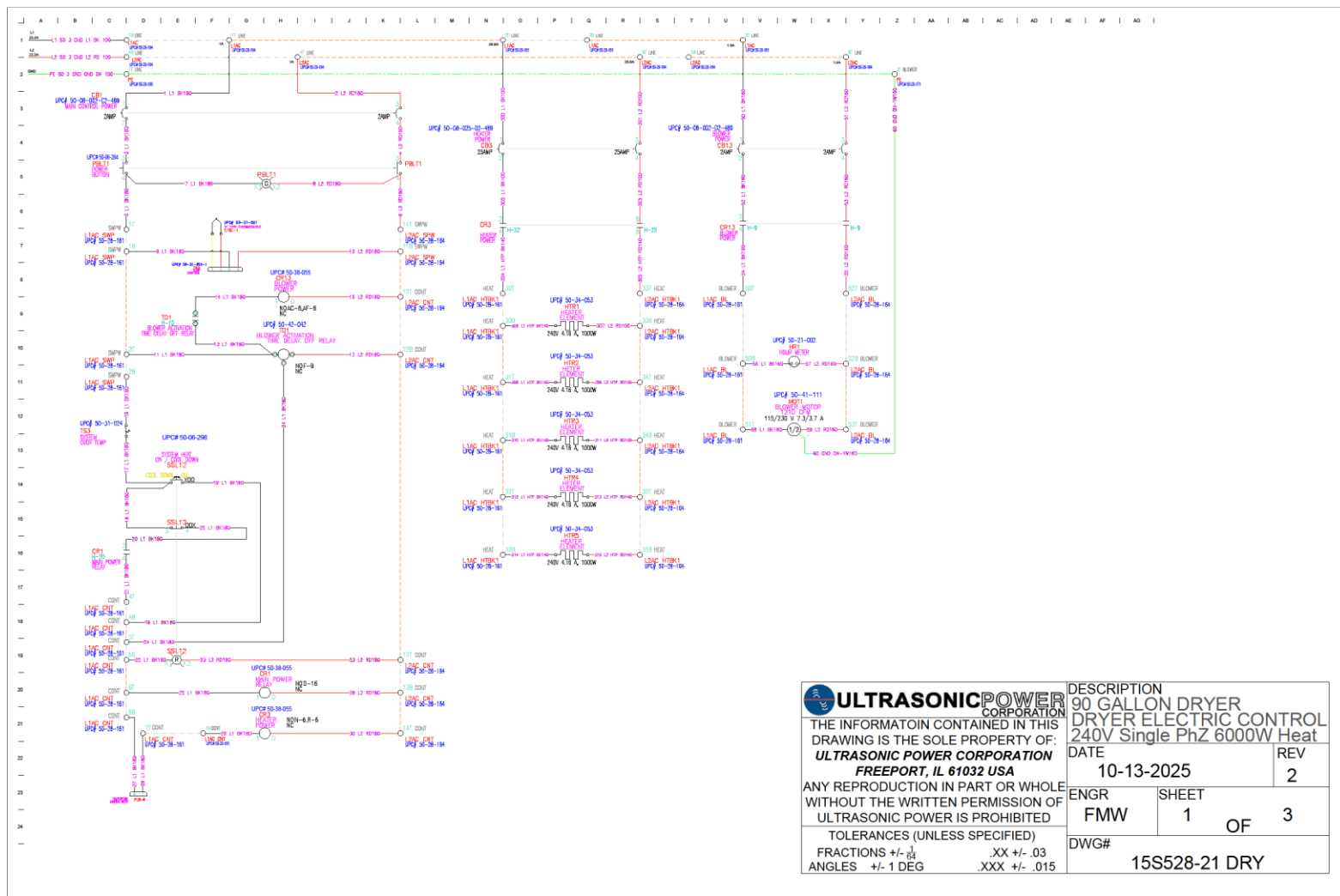


ULTRASONIC POWER CORPORATION THE INFORMATION CONTAINED IN THIS DRAWING IS THE SOLE PROPERTY OF: ULTRASONIC POWER CORPORATION FREEPORT, IL 61032 USA ANY REPRODUCTION IN PART OR WHOLE WITHOUT THE WRITTEN PERMISSION OF ULTRASONIC POWER IS PROHIBITED TOLERANCES (UNLESS SPECIFIED) FRACTIONS $\pm \frac{1}{16}$.XX $\pm$.03 ANGLES ± 1 DEG .XXX $\pm$.015		DESCRIPTION 39 GALLON DRYER DRYER ELECTRIC CONTROL 240V Single PhZ 3000W HEAT DATE 08-04-2025 ENGR FMW SHEET 1 OF 3 DWG# 15S391-21 DRY	
		REV	2

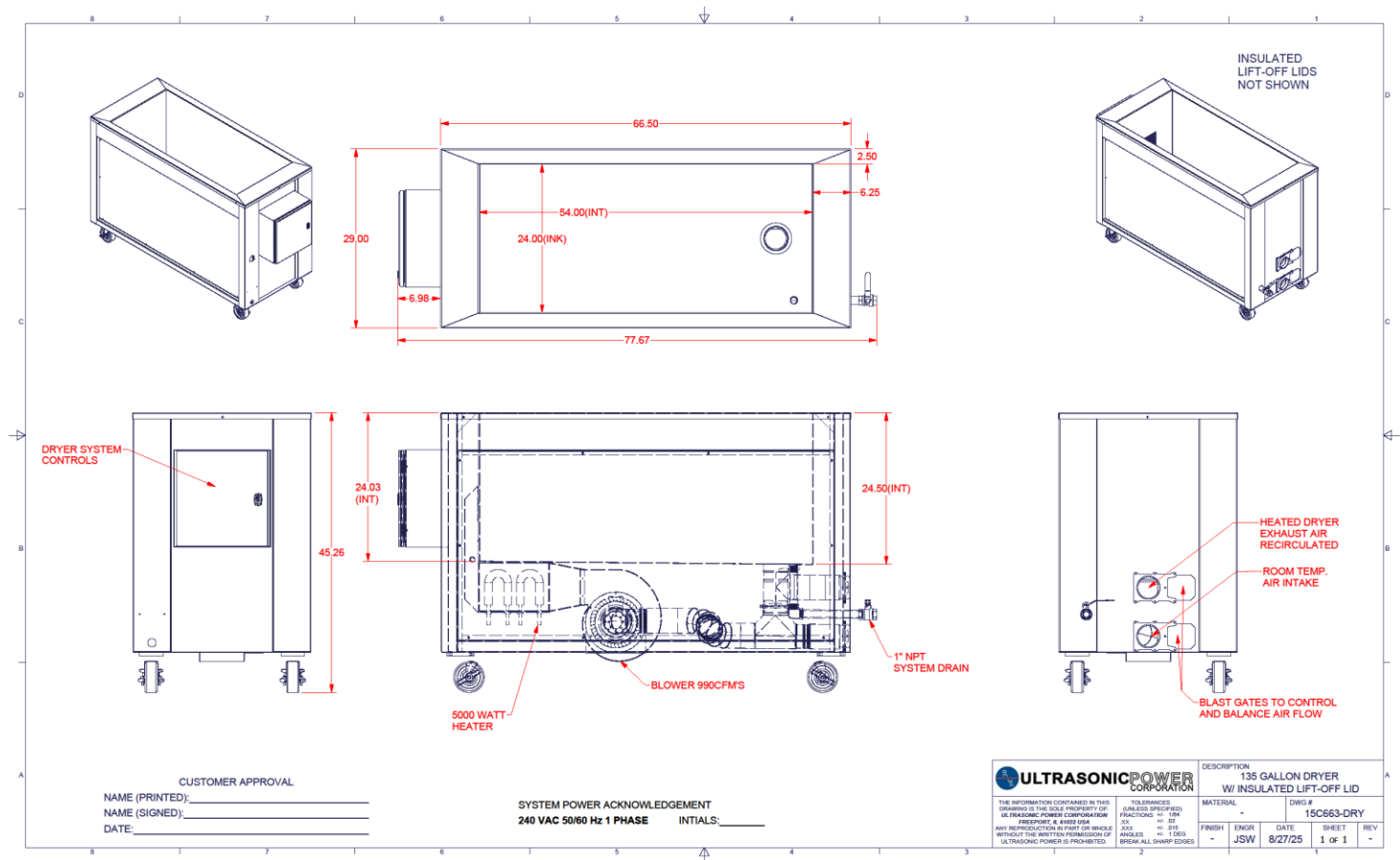
4.3 90-GAL Dryer Drawing



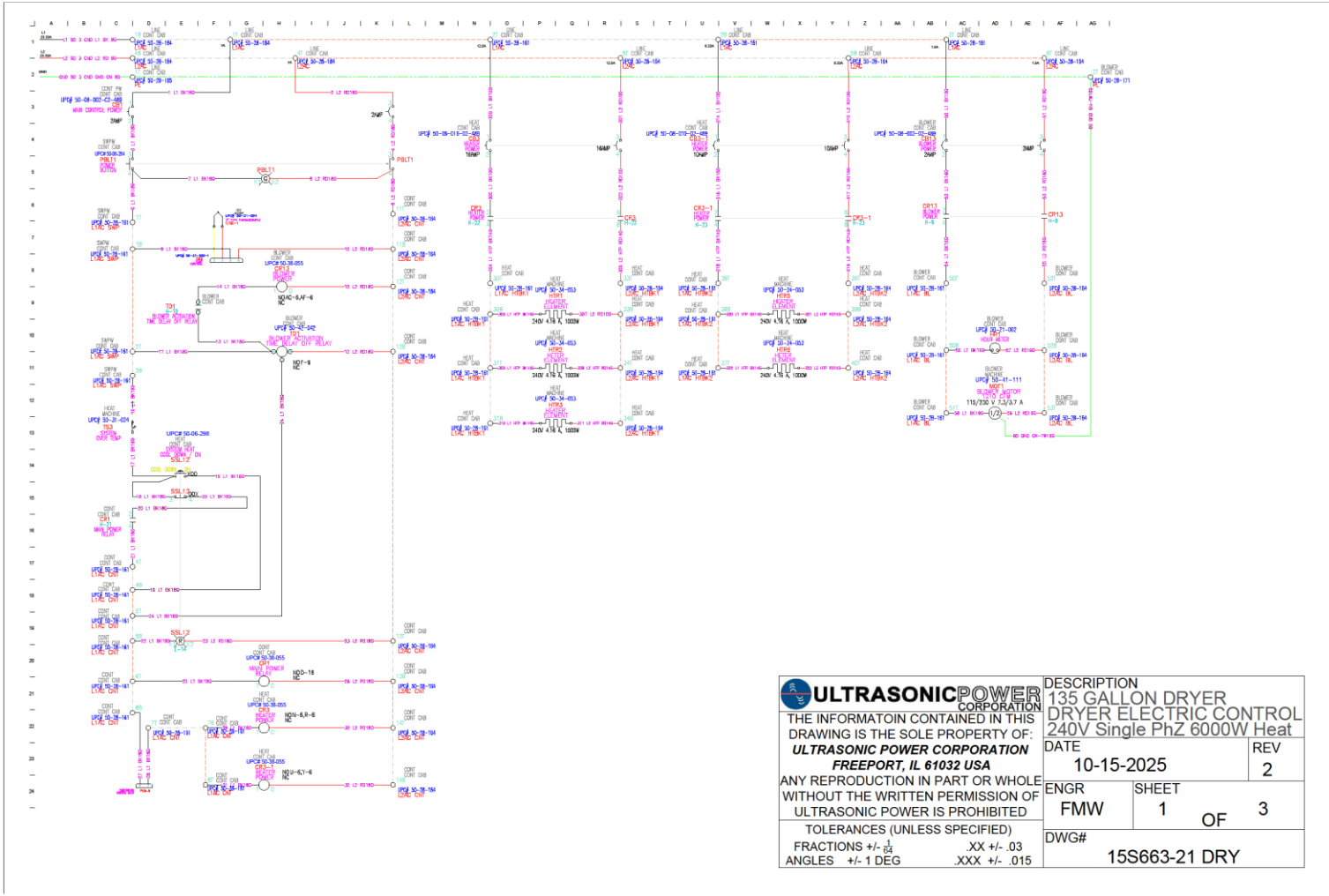
4.4 90-GAL Dryer Schematics



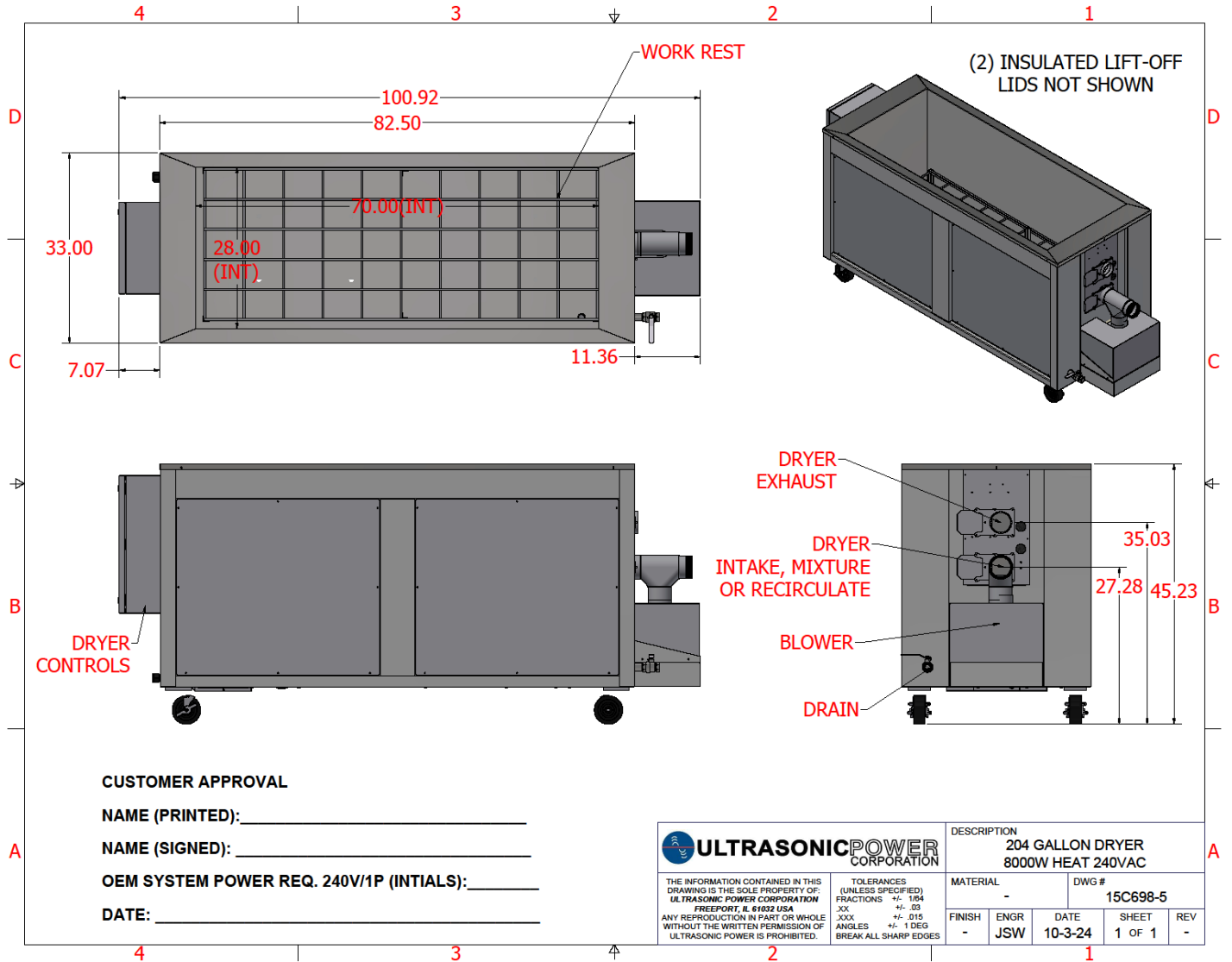
4.5 135-GAL Dryer Drawing



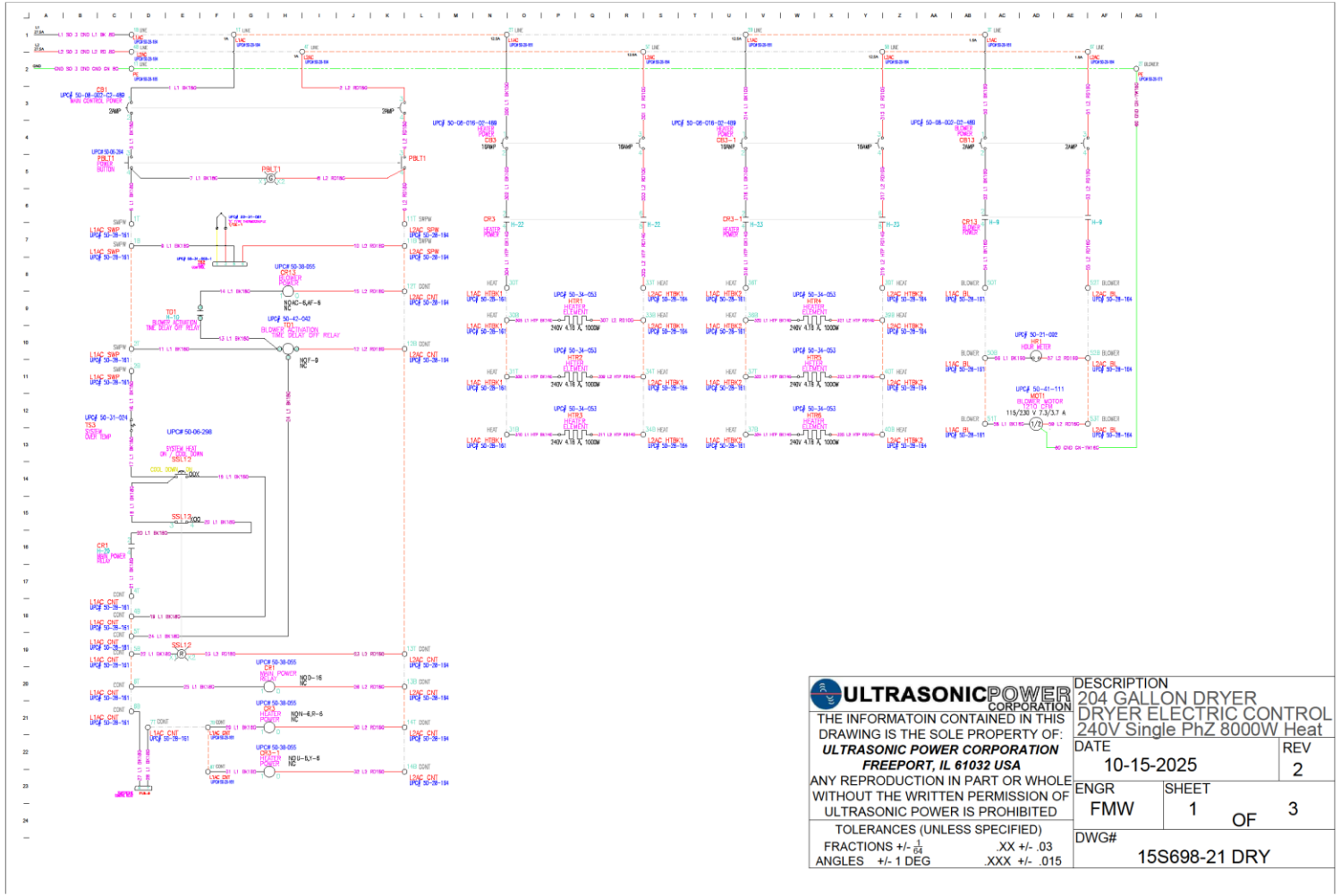
4.6 135-GAL Dryer Schematics



4.7 204-GAL Dryer Drawing



4.8 204-GAL Dryer Schematics



5. Warranty

THE TEN-FIVE-TWO WARRANTY (the "Warranty")

Ultrasonic Power Corporation ("UPC"), as Manufacturer, warrants all products manufactured by UPC ("Products") meet UPC's production and quality assurance specifications before being released for distribution. Accordingly, UPC warrants that from the date of shipment from UPC's facility:

- a) The bond for the VIBRA-BAR® Transducer to the radiating surface shall be free from defects in material and workmanship and is guaranteed not to crack, depolarize or detach from the radiating surface for ten (10) years;
- b) all ultrasonic generators shall be free from defects in material and workmanship for five (5) years;
- c) all transducer components shall be free from defects in material and workmanship for two (2) years; and
- d) all other components, electrical and mechanical, used in manufacturing by UPC not otherwise identified above, such as industrial-grade stainless steel tanks, shall be free from defects in material and workmanship for a period of two (2) years.

This warranty does not guarantee forward compatibility for any UPC Products sold. The UPC Ten-Five-Two Warranty extends to the first Purchaser (or Customer if the first Purchaser is a distributor) only, and is not otherwise transferable without the prior written consent of UPC.

THIRD PARTY COMPONENT WARRANTY

Concerning any products and components not manufactured by UPC ("Third Party Products"), but used in the manufacture of the final UPC Product, UPC agrees to transfer all warranties given by the manufacturer of the Third Party Products (each a "Third Party Warranty" and collectively the "Third Party Warranties") directly to the first Purchaser (or Customer if the first Purchaser is a distributor) so long as the Third Party Warranty is transferable. Purchaser (or Customer if the first Purchaser is a distributor) shall be entitled to such benefits as UPC would otherwise receive under any Third Party Warranty, provided such benefits are transferable. UPC shall have no liability to Purchaser (or Customer if the first Purchaser is a distributor) in the event the manufacturer of said Third Party Product(s) fails to honor any such Third Party Warranty or to meet any liability which may arise by reason of any defect in such Third Party Product. UPC HEREBY DISCLAIMS ANY WARRANTY, EXPRESSED OR IMPLIED, FOR FITNESS OF PARTICULAR PURPOSE, OR OTHERWISE, FOR ALL THIRD PARTY PRODUCTS.

SOLE REMEDY

UPC's sole liability for any breach of the Warranty will be to replace or repair, in UPC's sole discretion, any Product or item covered by this Warranty which is determined by UPC, upon examination, to be defective in workmanship or material within the applicable warranty period, provided that such Product or item has been properly installed, maintained, lubricated and serviced within the limits of normal usage as specified by UPC and properly used under recommended operating conditions. SUCH REPAIR OR REPLACEMENT SHALL BE THE EXCLUSIVE REMEDY AVAILABLE UNDER THIS WARRANTY.

LIMITATIONS PERIOD

Any action for breach of this Warranty or other action related to UPC's sale of the Products must be commenced within thirty (30) days after the occurrence that forms the basis for the first Purchaser's (or Customer if the first Purchaser is a distributor) Warranty claim.

EXCLUSIONS OF WARRANTY COVERAGE

This Warranty shall not apply to:

- a) cavitation erosion of tank and immersible transducer surfaces, which is a normal occurrence and develops over time in the operation of ultrasonic cleaning equipment;
- b) any Product or component incorrectly installed by Customer contrary to instructions from UPC
- c) any Product or component which has been: i) incorrectly operated or misused, (ex., operating the equipment dry, dropping heavy objects into the cleaning tank, incorrect voltage connections); ii) altered; or iii) modified;
- d) expendable items such as fuses, bulbs, or similar parts incorporated in a Product having a useful life inherently shorter than twelve (12) months;
- e) damage from intentional acts, fire, acts of God (hurricanes, tornados, floods) loss, theft, cosmetic wear not affecting functionality, and modifications by anyone other than an authorized UPC representative;
- f) modification or repair of any Product by any party other than UPC or a UPC authorized representative will invalidate the Warranty;
- g) use of cleaning reagents in or on the Product not approved/supported by UPC will invalidate the Warranty; and
- h) connecting product to non-UPC designed and manufactured equipment (example: non-compatible competitor equipment).

- i) Any generator in which the tamper proof seal is removed or broken.

WARRANTY DISCLAIMERS

THE WARRANTIES PROVIDED HEREIN ARE THE EXCLUSIVE WARRANTIES AND ARE EXPRESSLY GIVEN IN LIEU OF ALL OTHER WARRANTIES, EXPRESS OR IMPLIED, INCLUDING, BUT NOT LIMITED TO, IMPLIED WARRANTIES OF MERCHANTABILITY AND FITNESS FOR A PARTICULAR PURPOSE, WHICH ARE HEREBY DISCLAIMED. EXCEPT AS PROVIDED HEREIN, UPC DISCLAIMS ANY LIABILITY, ARISING FROM CONTRACT, TORT OR OTHERWISE, FOR ANY LOSS OR DAMAGE INCLUDING DIRECT, INDIRECT, SPECIAL, INCIDENTAL, AND CONSEQUENTIAL DAMAGES INCLUDING, BUT NOT LIMITED TO, LOST PROFITS, COST OF COVER, INCIDENTAL DAMAGES AND PERSONAL INJURY, WHATEVER THE UNDERLYING CAUSE AND INCLUDING THIRD PARTY CLAIMS.

Any and all production or performance specifications supplied by UPC are strictly estimates based upon UPC's analysis of the material or parts to be processed, interpretation of tolerance and accuracy requirements, assumptions of facilities available and operator skill. NO SUCH PRODUCTION OR PERFORMANCE ESTIMATE SHALL CONSTITUTE A WARRANTY OR GUARANTEE OF PRODUCTION OR PERFORMANCE RESULTS.

ADDITIONAL TERMS

- a) The agents, dealers and employees of UPC are not authorized to make modifications to this Warranty, or to make additional warranties binding on UPC including, but not limited to additional warranties for Products, accessories or components. Additional statements, whether oral or written, do not constitute warranties and should not be relied upon unless made in writing and signed by an officer of UPC with authority to do so.
- b) Regardless of any other agreement between the first Purchaser (or Customer if the first Purchaser is a distributor) and UPC, this Warranty will be governed and controlled in all respects by the laws of the State of Illinois, USA, including interpretation, enforceability, validity and construction, without regard to any conflict of law provisions. The sole proper venue for the resolution of any disputes arising hereunder shall be the State or Federal Courts located in the County of Winnebago, State of Illinois.
- c) This Warranty constitutes the entire understanding between the parties with respect to the subject matter discussed herein and supersedes any prior discussions, negotiations, agreements and understandings between the parties.
- d) No assignment of this Warranty or of any right or obligation under this Warranty will be made by the first Purchaser (or Customer if the first Purchaser is a distributor) without the prior written consent of UPC. Any assignment or transfer of this Warranty without such prior written consent will invalidate this Warranty. Failure to provide proof of purchase to UPC upon request will invalidate this Warranty.

SHIPPING REQUIREMENTS

Upon notifying UPC of a warranty-related claim, UPC will, if appropriate, provide a Return Material Authorization number (RMA) for the return of the Product and/or Accessories. If supplied to the first Purchaser (or Customer if the first Purchaser is a distributor), the first Purchaser (or Customer if the first Purchaser is a distributor) will complete the RMA and return it to UPC along with the Product or accessory. Transportation and insurance will be paid by the first Purchaser (or Customer if the first Purchaser is a distributor) for the return of Product and all accessories. UPC is not responsible for any loss or damage, which may occur in transit. UPC will ship the repaired or replaced Product(s) and/or accessories to the first Purchaser's (or Customer if the first Purchaser is a distributor) place of business using a transportation method of its choosing or through consultation with the first Purchaser (or Customer if the first Purchaser is a distributor). All Products and accessories must be shipped in their original shipping containers or other solid and durable shipping container. Failure to return the Product or accessories to UPC or to follow these procedures will invalidate this Warranty.

BUSINESS INFORMATION AND RETURN ADDRESS

All product returns for Warranty service and concerns, regarding this Warranty or otherwise, must have a Return Material Authorization (RMA) number. Please ship pre-paid to:

Ultrasonic Power Corporation
Attn: RMA Coordinator
239 East Stephenson Street
Freeport, Illinois 61032, USA
+1 815 235 6020

6. Return of Equipment Policy

Replacement/Repair Policy and Pricing Schedule

It is the intention of Ultrasonic Power Corporation (UPC) to deliver fair, accurate, cost-effective and timely service associated with warranty and non-warranty product assistance to Original Equipment Manufacturers (OEM), End-user and Reseller Customers within the guidelines of this Policy. All warranty repair costs that fall within the scope of a UPC Warranty Policy will be covered, in full, according to the applicable UPC Warranty Policy. All non-warranty and customer damage repairs will be quoted according to inspection criteria and pricing schedule for the associated Product.

Visit our website before returning any product. www.upcorp.com

A Return Material Authorization (RMA) number must be assigned prior to returning any product.

Contact RMA Coordinator at +1 815 235 6020 : Monday – Friday 7:00 AM to 5:00 PM Central Time (UST -6)

Warranty

Repairs will be covered in accordance with the applicable UPC Warranty Policy. All warranty repairs are subject to an initial inspection and approval by an authorized UPC repair representative to determine if the requested repairs are covered by an applicable UPC Warranty Policy. If a repair is NOT covered under warranty, UPC will issue a quote for the cost of the repairs needed and will provide a stated reason for the non-warranty coverage determination. As indicated in each UPC Warranty Policy, all warranties are void if the warranty “tamper seal” is broken or Products or Accessories has been modified and/or repaired by anyone other than a UPC repair representative.

Non-Warranty and Customer Damage

Work by UPC will be performed in accordance with the UPC policy for the repair of equipment. Payment confirmation pursuant to the quote provided by UPC must be received prior to any repair being made. The initial diagnostic fee charged covers all testing, diagnosis, parts, and labor to determine the cause of the defect and the repair necessary to restore full functionality of the returned equipment. Returned equipment that is determined “beyond repair” due to non-UPC causes (customer, accident, weather, etc.) will not be repaired. There will be no refund of the diagnostic fee for equipment determined to be beyond repair.

Property Loss and Beyond Repair

A determination will be made upon receipt of product to determine whether or not the product can be repaired. In the event a product is determined to be “beyond repair”, UPC will notify the customer with a stated reason for the “beyond repair” determination. UPC reserves the right, at its sole discretion, to offer replacement equipment, parts, etc., in exchange for any product that is deemed “beyond repair”. Pricing will be determined based on the repair pricing schedule; **forfeiture to UPC of the original product is required if replacement is offered and agreed to by the customer.**

Testing/Evaluation Fees

Diagnostic Fees will apply to all products returned to UPC for repair or replacement. A fee is assessed to cover expense of testing, inspecting, evaluating and the costs for non-UPC or non-product related issues. If a Warranty Replacement or Warranty Repair is required by the applicable UPC Warranty Policy, this diagnostic fee is waived. If a non-warranty replacement or non-warranty repair is required, the diagnostic fee is accounted for in the Pricing Schedule.

Shipping Expenses/Abandoned Product/Failure to Authorize Repair in Timely Manner

Shipping expenses are the responsibility of the customer. UPC recommends a shipping method which provides for tracking of returned product and also includes insurance against shipping damage and/or property loss. UPC will not

be responsible for damaged and/or lost product prior to receipt by UPC at UPC's facility. Return shipping (only) to the Customer will be paid by UPC and will be sent via standard ground shipping upon completion of a warranty or replacement/warranty repair. Additional expenses including international shipping and related customs paperwork, overnight and special shipping methods requested by the customer will be charged to customer.

All refused and/or unpaid repairs are the responsibility of the customer and will be subject to the UPC 60 day "Must Claim" Policy. All products not claimed after 15 calendar days following repair will be subject to a storage fee beginning on the 16th workday. The fee will be US\$50 per day. After 90 calendar days, the product will be considered abandoned and UPC will take possession of abandoned property with intent to recover its costs for repair and storage. Once UPC has taken possession of said abandoned property, UPC shall be entitled to sell the abandoned property and retain all funds received from said sale. Funds received shall be applied to the customer's outstanding balance.

Packaging

Generator shipments to UPC must be shipped in their original shipping containers or other solid and durable shipping containers of comparable size and composition. DO NOT use Styrofoam peanuts or shredded paper for packaging material as this may cause damage to the electronic or mechanical components. Failure to comply with these packaging requirements may invalidate the Warranty. **Assure RMA # is prominently displayed on the outside of the shipping package. Packages without RMA # on the outside will be refused.**

Cleaning Fee May be Assessed:

Important: UPC does not have environmental permits or the facilities to address cleaning materials/contaminants remaining in the cleaning systems/tanks/containers. Prior to returning equipment to UPC, de-contamination of equipment must be completed. UPC reserves the right to refuse acceptance of equipment. A \$95/hour "Cleaning Fee" will be assessed for the cleaning of equipment that is considered by UPC to be excessively dirty/unclean.

OEM Warranty Replacement / Repair Policy

All service requests from customers of OEMs must originate their service request through the OEM. It is the OEM's responsibility to obtain a valid UPC RMA number on behalf of their respective customer. **No equipment from an OEM's customer will be accepted at the UPC dock without a UPC issued RMA number. An RMA number must be requested from UPC by the OEM. UPC will not provide RMA numbers to an OEM's customer/end users.**

Safety, Health and Environment Notice

To inform and protect UPC personnel, applicable Safety Data Sheet (SDS) from the customer/end user must be sent with returned equipment. Tanks, immersibles or other equipment will be held in an isolated area until applicable SDS are received and reviewed. UPC reserves the right to refuse product based upon failure to provide a SDS or based upon the information contained therein. Servicing may be denied and/or delayed without applicable SDS.

Business Information and Return Information

As indicated above, all product returns for service must have an RMA number prior to shipment to UPC. Product without an RMA number will be refused. Please ship, with shipment costs pre-paid to:

Ultrasonic Power Corporation
Attn: RMA Coordinator
239 East Stephenson Street
Freeport, Illinois 61032, USA
+1 800-575-0168
+1 815 235 6020

Reshipment or Relocation

When relocating or reshipping the system, ensure that the power has been disconnected and that the liquid has been entirely drained from the system prior to movement. Wipe down the system to remove all excess liquid. Wrap up the power cable to avoid presenting a tripping hazard. Disengage castor locks (if applicable). If system has console legs, lift machine up to move (DO NOT drag the machine).

Standard Pricing Schedule

Repair Rates (250W/500W Generators)		Comments
Warranty Repair	\$0.00	UPC Warranty Applies
Test/Evaluation Fee	\$105.00	Waived with warranty replacement due to defect
NON-Warranty	\$425.00	Expired warranty, equipment malfunction, customer damage

Repair Rates (750W/1000W generators)		Comments
Warranty Repair	\$0.00	UPC Warranty Applies
Test/Evaluation Fee	\$145.00	Waived with warranty replacement due to defect
NON-Warranty	\$600.00	Expired warranty, equipment malfunction, customer damage

Repair Rates for Immersible Transducers		Comments
Warranty Repair	\$0.00	UPC Warranty Applies
Test/Evaluation Fee	\$150.00	Waived with warranty replacement due to defect
NON-Warranty	Quote	Expired warranty, equipment malfunction, customer damage

Repair Rates for Bench Top Systems		Comments
Warranty Repair	\$0.00	UPC Warranty Applies
Test/Evaluation Fee	\$175.00	Waived with warranty replacement due to defect
NON-Warranty	Quote	Expired warranty, equipment malfunction, customer damage

Repair Rates for Console Systems		Comments
Warranty Repair	\$0.00	UPC Warranty Applies
Test/Evaluation Fee	\$300.00	Waived with warranty replacement due to defect
NON-Warranty	Quote	Expired warranty, equipment malfunction, customer damage

Cleaning Fee	\$95/hour	Additional Cleaning Fee to be assessed based on judgment of RMA Coordinator
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From:

RMA #

Ship To: Ultrasonic Power Corporation
239 East Stephenson Street
Freeport, IL 61032

Attention: RMA Coordinator

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EQUIPMENT



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Parts List

Replacement Parts	Part Numbers
Digital Timer/Temp Controller	50-31-050-1
Thermocouple – K Type for air	50-31-051
Power Button Maintained Illuminated green	50-06-284
Heat Switch Red Illuminated	50-06-298
Retainer clip	50-06-267
Contact block N/O	50-06-269
Contact Block N/C	50-06-271
Led block White 220-240vac	50-06-276
Heater Element - 240V, 1000W	50-34-053
Blower	50-41-111



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Please contact Ultrasonic Power Corporation for other system parts not listed or any question regarding your ultrasonic cleaning system.

815-235-6020 or 1-800-575-0168

