


IonCleanse[®] Solo[™]
by AMD
Total Body Detoxification



Operating Instructions

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Disclaimer

Thank you for incorporating the IonCleanse® Solo® by AMD in your health maintenance program. The IonCleanse® System is not intended to treat, prevent, cure, or diagnose any disease.

The IonCleanse® Total Body Detoxification is a comprehensive health and wellness system, and the information provided by A Major Difference (“AMD”) is solely for use as part of a self-improvement program. None of the information provided is intended to act as a substitute for medical counseling, nor does it involve the diagnosis, prognosis, or prescription of remedies for the treatment or prevention of any disease.

Please read this manual carefully before you start IonCleanse® sessions. The information it contains will help you understand the science behind the unit and enable you to effectively answer most client questions.

The IonCleanse[®] Solo[™] System

Today, we are exposed to the greatest toxic load in the history of our planet. Ongoing periodic cleansing is essential to maintain health. The IonCleanse[®] system, in combination with a healthy, low-stress lifestyle, provides a thorough and efficient way to maintain high energy levels and long-term wellness.

Contraindications

Any person falling into one or more of these categories should NOT use the IonCleanse[®] by AMD:

- Wearers of a pacemaker, or any other battery operated or electrical implant.
- Pregnant or nursing women.
- Those on heartbeat regulating medication and/or blood thinners.
- Organ transplant recipients.
- Those on medication, the absence of which would cause mental or physical impairment, such as psychotic episodes, seizures, etc.

Furthermore, the following recommendations should be strongly considered:

- Many medications require that a blood level be maintained in order to be effective; e.g., blood pressure medication. Schedule an IonCleanse® session just before the taking of a medication so that the client can maintain proper blood levels of their medication.
- Great care should be taken with reluctant or overly skeptical clients who are suffering from pathologies or are entrenched in the allopathic system. These individuals do not understand the alternative healing paradigm and are not prepared to undergo the rigors of detoxification.
- Clients with low blood sugar should eat before receiving a session.
- Clients who have had a substantial part of their colon removed should start with reduced session times as one of their main channels of elimination has been compromised.
- You can work with people who have non-electrical implants, such as titanium pins, although a small few have found it uncomfortable to be exposed to an electromagnetic field. In the event of discomfort, discontinue the session.
- If you are ever in doubt or have questions regarding the use of the IonCleanse® system with a client, contact AMD at 303-755-0112 for assistance before detoxing.

Instructions for Use

1. Plug the array's cord into the front of the IonCleanse[®] unit.
2. Plug one end of the power supply into the back of the IonCleanse[®] unit and the other end into an outlet.
3. Position the array upright in 3–4 inches of warm water in the plastic foot tub that came with your unit. Be sure that the copper tube at the center of the array is covered with water.

Important Note: If you submerge the top of the array in water, the connectors will corrode and you will need to replace the array cord much sooner.

4. Have the client immerse their feet in the water and turn on the unit.
5. Press the "Start" key.
6. If necessary, press the (+) or (-) key to increase or decrease the session time from the default 30-minute setting. Entering more than 45 minutes will trigger a warning.
7. Press the "Start" key two more times to begin the session.
8. Add salt to the water only when indicated. Any salt other than Epsom salt will work. Typically, 1/4 teaspoon is all that is required.required.



DISPLAY

KEYPAD

POWER SWITCH

ARRAY JACK

Manual Polarity Override

To manually override positive polarity output to the array, press (+) while the unit is running; to manually override negative polarity output to the array, press (-).

Increasing Conductivity

The conductivity of the water determines the amount of ionization potential, which, in turn, determines the effectiveness of the session.

For our purposes, conductivity relates to the water's ability to transmit a small amount of current. All types of water, except distilled water, have some degree of conductivity. Regardless of your geographic location, the IonCleanse[®] by AMD removes all guesswork as to the amount of salt you should add in order to increase conductivity. If the unit shows less than 1.8 amps, add a small amount of salt to the water in order to raise the water's conductivity.

Important note: Add as little salt as possible to the water in order to maximize the life of the array. The less corrosive material in the water, the longer the metal plates will last.

The optimum operating range of the IonCleanse[®] unit is between 11-20 volts, and 1.8-2.5 amps. Both of these readings are displayed during an IonCleanse[®] session.

Recommended Usage and Settings

As a general rule, the maximum session frequency for clients under 50 years of age is once every other day. If a client experiences fatigue, reduce session time and increase interval between sessions. The maximum recommended session frequency for clients over 50 is once every third day.

- Clients with chronic conditions can consider cleansing every other day without a break, as long as they don't lose energy or become uncomfortable.
- Children with special needs may start with 2 days on and 1 day off and adjust from there. Session times can range from 10-30 minutes depending on age. Call AMD for more information.
- 30 minutes is the maximum recommended session time for adults.

If a client feels tired after a session or angry, panicky, etc., space the sessions further apart. Fatigue indicates overstress, and emotional upheaval indicates emotional toxins are being released along with chemical toxins.

What to Expect from a Session

Healthy individuals can expect to feel lighter and to experience a greater sense of well-being from each IonCleanse[®] session.

Colors and Particles in the Water

Many colors and particles will appear in the water during IonCleanse[®] sessions. Color is produced even if there are no feet in the water. This is a result of the interaction between toxins and particles already in the water, any added salt, and the array metals. This regional color depends on the toxic and chemical impurities in the water of your geographical area.

Regional Toxicity

The IonCleanse[®] by AMD will neutralize toxins already in the water the same way it neutralizes toxins in the body. The predominant color of the ionized water is determined by the chemicals used by the local water authorities, in combination with the pollutants common to that area.

Chinese acupuncturists understand the concept of regional toxicity as it relates to the ailments that are predominant in a given area. Some areas of the country have higher joint complaints, while others report higher frequencies of kidney/bladder problems. Could it be that the toxins particular to an area gravitate to a specific part of the body and cause it to break down?

As a general rule, regional toxins contribute 20 - 40 percent of the residues found in the water after a footbath. Black flecks may be created by heavy metals in the water as well as deterioration of the metal in the array. Experience and the observations discussed above will help you determine the residue coming from the client. It is distinctly different from that of the array.

Additives in the Water Supply

The greater the concentration of minerals in the water, the greater the ionization potential; however, chlorine, fluoride, and other additives can reduce the ionization potential of the water because they bond with the ions produced by the IonCleanse® system, thus neutralizing them. This can result in little or no color change during a session. If this happens, visit the troubleshooting section of our website or call us for guidance.

Color Chart

We have found that a client's detoxification session will override the regional toxicity of the water. A session done with someone's feet in the water will produce more particles and residues than one without. You will also find that water-based toxins will not stick to the side of the bucket and array, whereas substances coming out of the body will form a sticky ring that must be removed with a detergent or scouring powder.

Based on EAV (Electro Acupuncture by Voll) testing, the following table (Fig. 1) shows what we believe the colors in the water represent.

Fig. 1

Color or Particle	Meridian Influenced During the Session
Yellow-Green	Kidneys, Bladder, Urinary Tract, Prostate (Male) Meridians
Orange	Joint Meridian
Brown	Liver Meridian
Black	Liver Meridian
Dark Green	Gallbladder Meridian
White Foam	Lymphatic Meridians
Black Flecks	Heavy Metals
Red Flecks	Meridians Governing Blood Flow

How the IonCleanse[®] System Works

The array is placed in the water with the hands, feet, or other body parts. When turned on, the control unit delivers a clean, filtered current to the array, which does two things. First, it elicits a relaxation response in the body. Second, the current causes the array metals, in combination with the water and salt, to generate positively and negatively charged ions. These ions draw oppositely charged toxins from the relaxed body into the water.

For the purpose of IonCleanse[®] discussions, positive and negative relate to electrical, rather than chemical, phenomena. When the IonCleanse[®] is set on positive, the current flows to the positive pole in the array, which results in more negative ions being produced in the water: $4\text{H}_2\text{O} + 4\text{e}^- \rightarrow 2\text{H}_2 + 4\text{OH}^-$. In this polarity hydrogen gas “smokes” from the array, and an abundance of negatively charged ions are left in the water. Therefore, positive polarity generates a negative ion concentration.

When the IonCleanse[®] is set on negative, the current flows to the negative pole in the array, which results in more positive ions being produced in the water: $2\text{H}_2\text{O} \rightarrow \text{O}_2 + 4\text{H}^+ + 4\text{e}^-$. In this polarity oxygen gas is released from the water, and an abundance of positively charged ions are left in the water. Therefore, negative polarity generates a positive ion concentration. This process is known as the electrolysis of water.

Ionization is a familiar process. However, the concept of using ionization in a foot bath, such as the IonCleanse[®] by AMD, is a relatively new idea. In nature, ions are generated by the movement of water molecules. Think of how good you feel while walking along a beach or near a waterfall. We are creating the same reaction with the IonCleanse[®] process, only magnified many times over.

Care of Your IonCleanse[®] Unit

The array housing is made of acrylic, which will attract and hold debris from the baths. Clean your array between sessions with a disinfectant such as a kitchen/bathroom cleaner, grapefruit seed extract, or vinegar. We recommend that you soak your array in an ascorbic acid solution every 10 sessions to remove any excess corrosion. Please see instructions on the sample bag.

The life of your plates will vary depending on the amount of chlorine and fluoride in the water and the acidity of your clients. Because corrosion rates vary widely across the country, we cannot guarantee the number of sessions that you will get from a set of plates.

In order to determine if your plates need to be changed, a physical inspection is required. Refer to Figure 2 which shows the gradual decomposition of the plates. The last picture in the series displays a fully used set of plates.

Fig. 2

0 Sessions

10 Sessions



20 Sessions

30 Sessions

Call us at (303) 755-0112 or visit our website at www.amajordifference.com to order new plates and other accessories.

Plate Counter

Your IonCleanse® Solo® is equipped with a Plate Counter. You can use this counter to track the number of minutes your plates have been used (similar to a “Trip Meter” in an automobile).

To reset the Plate Counter, press the STOP button on the keypad while viewing the Main Screen. Press the “+” button to confirm the reset, or “-” to cancel.

Press stop

ION CLEANSE SOLO
KEY TO BEGIN
FAN OFF
PLATE COUNT: 0900MIN

press + or -

RESET PLATE COUNTER?
PLATE COUNT: 0900MIN
[+]YES [-]NO

Metal Plate Replacement

Your metal plate replacement kit contains:

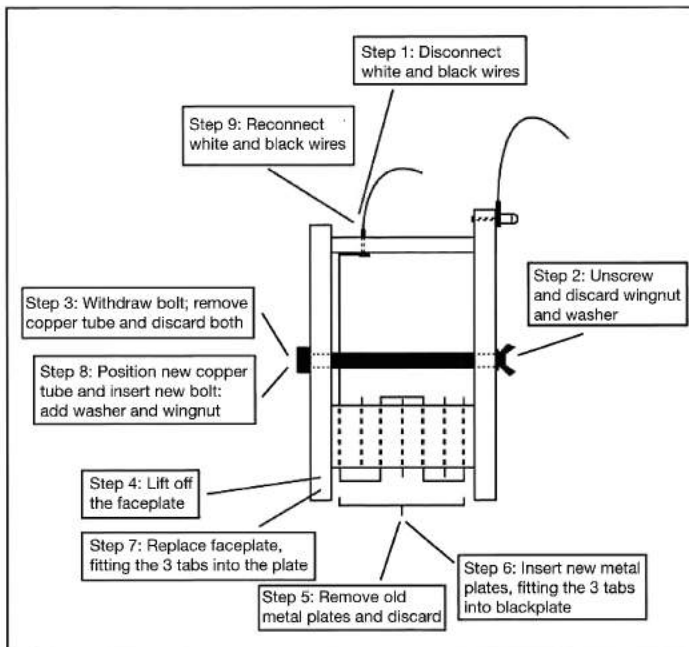
1. Replacement plate assembly.
2. Attachment hardware: 2 1/2 inch bolt, copper tube, wing nut, and a washer.

Metal Plate Replacement Instructions

1. Remove the black and white lead wires by gripping the blue connectors. Do not remove the wires by pulling on the wire itself.
2. Unscrew the wingnut on back of array and discard the nut and washer.
3. Withdraw the 2½ inch bolt to release copper tube and discard both.
4. Lay the unit on its back and pull off the plastic front plate.
5. Remove old metal plate assembly.
6. Insert new metal plate assembly so that the three tabs fit into the three slots of the back panel.
7. Replace plastic front over new plate assembly so that the three tabs fit into the three slots of the front plate. Make sure the word "IonCleanse" is facing you and that the black terminal on top of the array is on the left, and the white terminal is on the right.

8. Holding the copper tube in place between the plastic panels, insert the long screw and tighten with the washer and wingnut on the back.
9. Re-attach the electrical wires on top of the array. Make sure you attach the black wire to the terminal marked "black" and the white wire to the terminal marked "white."

Metal Plate Replacement Diagram



Alarm Messages

The unit is in constant self-diagnosis and shows a variety of messages on the four-line display to warn of error conditions:

```
ALARM 2 RELAY CR2  
RELAY HAS FAILED  
DO NOT USE UNIT  
RETURN FOR REPAIR
```

The machine has detected that the CR2 relay has failed. You will need to return the unit to AMD for repair. Please call (303) 755-0112 for further instructions.

```
HIGH TEMP ALARM  
POWER OFF THE UNIT  
WAIT 30MIN TO COOL  
RETURN FOR REPAIR
```

The machine has detected an unusually high internal temperature. Ensure there is nothing blocking the fan or that the unit is not in direct sunlight. Turn off the unit and wait 30 minutes to turn back on.

```
INPUT VOLTS: 21.8vdc  
ERROR: OVP HIGH VOLTS  
A/C POWER SUPPLY  
REFER TO MANUAL
```

The machine has detected one of the following: the power pack has failed, or the wrong power pack is plugged into the machine, or the voltage regulator in the external power pack has failed, or the normal 20-volt supply voltage has exceeded 22.1 volts for some reason.

```
ALARM 1 TOO MUCH  
SALT IN WATER. START  
OVER W/FRESH WATER  
AND ADD LESS SALT
```

There is too much salt in the water. Empty the foot tub and add fresh water. Add salt slowly to the water. Typically, ¼ teaspoon is the most that is required. Be sure that the voltage does not drop below 11.

Limited Warranty Information

The IonCleanse® Solo™ comes with a three-year limited warranty. AMD will repair the IonCleanse® unit with new or rebuilt parts, free of charge, in the U.S.A. for five (3) years from the date of original purchase in the event of a defect in materials or workmanship.

This warranty only covers failures due to defects in materials or workmanship which occur during normal use. It does not cover damage which occurs in shipment; failures which are caused by products not supplied by AMD; or failures which result from accident, misuse, abuse, neglect, mishandling, misapplication, alteration or modification; service by anyone other than AMD or damage that is attributable to acts of God.

Limits and Exclusions

There are no express warranties except as listed herein. This warranty will be terminated if the seals located on the unit are broken or the serial number on the back of the unit is altered, defaced, or removed.

AMD shall not, in any case, be liable for medical expenses or special, incidental, or consequential damages caused by defects, failures, or malfunctions of any product, arising from breach of warranty, breach of contract, negligence, tort or any legal theory.

All expressed and implied warranties, including the warranties of merchantability and fitness for a particular purpose, are limited to the applicable warranty period set forth above. Some states do not allow the exclusion or limitation of incidental or consequential damages, or limitations on how long an implied warranty lasts, therefore some of the above exclusions or limitations may not apply to you.

This warranty gives you specific legal rights, and you may also have other rights, which vary from state to state.

Technical Specifications

CAUTION: The interior of the equipment must only be accessed by qualified personnel. Read all the instructions and warnings specified in the user manual before using the product.

1. Indoor use only.
2. External power supply and the main unit are not protected against harmful ingress of moisture.
3. Electrical input rating of the main unit: 20Vdc 2.5A.
4. Use only with supplied external power supply (WALL PIN: DTEM10601-D-51).
5. External power supply: Class I Equipment (Grounded Type): Electrical grounding is required for safety.
6. Main supply voltage fluctuations are not to exceed +10% of the rated supply voltage range (100-240V) of the external power supply.
7. The replacement value of the accessible fuse is 250V 2.5A.
8. Operating temperature range: 15 - 40°C.
9. Weight of the equipment: 1.1 kg (Main Unit).

The IonCleanse® by AMD is only to be used under normal circumstances. Please avoid running the unit in extreme temperatures.

Clean the exterior of the unit as necessary with a common kitchen or bathroom cleaner.

FCC Compliance Statement

The IonCleanse Solo by AMD (“equipment”) complies with part 18 of the FCC rules. Operation is subject to the following two conditions:

1. This device may not cause harmful interference, and
2. This device must accept any interference received, including interference that may cause undesired operation.

See instructions below if interference to radio or television reception is suspected.

Radio and Television Interference

This equipment generates, uses, and can radiate radio-frequency energy. If it is not installed and used properly—that is, in strict accordance with AMD’s instructions—it may cause interference with radio and television reception. This equipment has been tested and found to comply with the limits for a Class B digital device in accordance with the specifications in Part 18 of FCC rules. These specifications are designed to provide reasonable protection against such interference. However, there is no guarantee that interference will not occur in a particular installation.

You can determine whether your equipment is causing interference by turning it off. If the interference stops, it was probably caused by the equipment. If your system does cause interference to radio or television reception, try to correct the interference by using one or more of the following measures:

- Turn the television or radio antenna until the interference stops.
- Move the equipment to one side or the other of the television or radio.
- Move the equipment farther away from the television or radio.
- Plug the equipment in to an outlet that is on a different circuit from the television or radio. (That is, make certain the equipment and the television or radio are on circuits controlled by different circuit breakers or fuses.)

If necessary, contact AMD or consult an experienced radio/television technician for additional suggestions.

Important: Changes or modifications to this product not authorized by AMD, could void the EMC compliance and negate your authority to operate the product. This product has demonstrated EMC compliance under conditions that included the use of compliant peripheral devices and shielded cables between system components. It is important that you use compliant peripheral devices and shielded cables between system components to reduce the possibility of causing interference to radios, television sets, and other electronic devices.

Responsible party: AMD 7318 S Revere Pkwy, B7, Centennial, CO 80112, 303-755-0112.



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