

MJ190-5 Aspirator

Operator's Manual



Operating Manual for Model No.

IMI 2:	IM-2560-1 (115 V)	IM-2560-2 (230 V)
IMI 1:	IM-2550-1 (115 V)	IM-2550-2 (230 V)
IMI Jr.	IM-2540-1 (115 V)	IM-2540-2 (230 V)



Specification, Danger, Warning

If the equipment is used in a manner not specified by the manufacturer, the protection provided by the equipment may be impaired.



Specifications, Danger, Advertisements

Si cet équipement n'est pas utilisé selon les directives du fabricant, le bon fonctionnement de l'appareil risque d'être compromis.



Technische Daten, Warnhinweise

Wenn dieses Gerät nicht nach Vorschriften des Herstellers angewendet wird, ist die Garantie hinfällig.



Especificaciones, Peligro / Advertencias

Si el equipo es utilizado de manera no especificada por el fabricante la protección que ofrece el equipo puede verse afectada.

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Federal (USA) law restricts this device to sale by or on the order of a physician or surgeon.



ELECTRICAL SHOCK HAZARD. DO NOT REMOVE COVER.
Refer servicing to qualified service personnel.



EXPLOSION RISK if used in the presence of a flammable anesthetic mixture with air or with oxygen or nitrous oxide.

SPECIFICATIONS: INDOOR USE ONLY

Power Requirements:

(-1) Model: 115 VAC 10 Amps 50/60 Hz.

(-2) Model: 230 VAC 8 Amps 50/60 Hz.

Operating Temperature Range:

5 degrees centigrade to 40 degrees centigrade.

Humidity: (non condensing)

Maximum relative humidity 80% for temperature up to 31 degrees centigrade, decreasing linearly to 50% relative humidity at 40 degrees centigrade.

Altitude:

2560: Up to 9,000 feet

2550: Up to 9,000 feet

2540: Up to 6,600 feet

Installation Category:

II

Pollution Degree:

2

Safety:

EN55011 (March, 1991), EN50082-1 (Jan. 1991), EN61010-1 (April 1993)

Electro Magnetic Compliance:

(89/336/EEC, 92/31/EEC, 93/68/EEC)

Low Voltage Directive:

(73/23/EEC, 93/68/EEC)



***DANGER / WARNING:
EXPLOSION HAZARD. DO NOT USE IN THE PRESENCE
OF FLAMMABLE ANESTHETICS.***

From I.M.I.

Thank you for purchasing an API Aspirator. Because your office is getting busier and your procedures more demanding, API has developed the API Aspirators. Our Aspirators will save you time and money, while delivering superior technology. To ensure years of trouble free operation, we deliver this operator's / user's manual. It is filled with valuable information on how to operate, maintain and order the manufacturer recommended supplies. Please read this manual completely and carefully. Please record your Aspirators information in the spaces provided below. When calling for technical service or customer support, some or all of this information may be required to expedite your needs.

Model No: _____ API Aspirator.

Serial No: _____

Purchase Date: _____

Purchased From: _____

This information may be found on your packing slip and/or the side of the unit.

Warnings and Precautions



WARNING:

1. This device will not, in and of itself, produce significant weight reduction.
2. This device should be used with extreme caution in patients with chronic medical conditions, such as diabetes, heart, lung, or circulatory system disease; or obesity.
3. The volume of blood loss and endogenous body fluid loss may adversely affect intra and/or postoperative hemodynamic stability and patient safety. The capability of providing adequate, timely replacement is essential for patient safety.

Precautions:

1. This device is designed to contour the body by removing localized deposits of excess fat through small incisions.
2. Use of this device is limited to those physicians who, by means of formal professional training and sanctioned continuing medical education (including supervised operative experience), have attained proficiency in suction lipoplasty.
3. Results of this procedure will vary depending upon patient age, surgical site, and experience of the physician,
4. Results of this procedure may or may not be permanent.
5. The amount of fat removed should be limited to that necessary to achieve the desired cosmetic effect.
6. All reusable components of the device must be sterilized and all disposable components replaced before using the device system on another patient.

Supplies

Sterile Suction Tubing:



3/8 in. Inside Diameter
10 Feet in length
Order No. IM-HFTD

YOUR CHOICE

Box of 10



Versatile connection
12 Feet in length
Order No. IM-SFRT

Filtration:



0.3 Micron H.E.P.A. Filter
High Alpha Absolute.
DOP Rating: 99.975%

Order No. IM-HFIFD
Unit: Each

Canisters and Liners



Baxter red top 1500ml canister , reusable
Order No. IM-BRT1500 Unit: Each
Baxter red top 1500ml liners , disposable
Order No. IM-BRTL1500 Unit: Box of 10
Abbott 2000ml canister , reusable
Order No. IM-AC2000 Unit: Each
Abbott 2000ml liners , disposable
Order No. IM-AL2000 Unit: Box of 10

Baxter blue top 3000ml canister , disposable
Order No. IM-BBTC3000 Unit: Box of 10

Components



Aspiration Device

One of the following

Model: IM-2540

Model: IM-2550

Model: IM-2560

(-1 after Model No = 115VAC)

(-2 after Model No = 230VAC)



Pneumatic Foot-switch(s)

1 or 2, depending on model ordered.



Power Cord

Hospital Grade 15 Amps. (Protective Earth)



Collection canister ring

Sized to fit canister you desire. Multiple rings may be used for multi-canister connections.



Canister support rod

Safety



Your safety is important to us!

Prior to any operation of the aspirator, be sure you have read and completely understand all instructions pertaining to the aspirator. Training on the safe and proper use of the aspirator is always your best safety feature.

If at any time during the operation of the aspirator, you feel any unsafe condition has occurred, discontinue use and contact us immediately. Please pay close attention to the instruction given through-out this manual.

Utilizing the 2 person lift method, remove the aspirator from the shipping carton. Please keep any and all shipping material that came with your aspirator. Inspect the outer case and top components of your aspirator for obvious signs of shipping damage. If any of the components are damaged, or you suspect any damage, ***do not*** connect the aspirator to an electrical power source. Contact API or your distributor ASAP.

When connecting the aspirator to an electrical power source, be sure that the source of power matches that labeled on the side panel of your aspirator. To ensure proper electrical grounding of your aspirator, be sure that your power source is marked "***Hospital Grade***". There are no user serviceable components inside of the aspirator enclosure. Always refer to qualified service technician for service. ***Always refer any service to I.M.I. or one of our authorized distributors to prevent a void warranty. If absolutely necessary to open the aspirator, be sure to disconnect from power source before opening.***

Each aspirator undergoes a rigorous electrical safety inspection prior to shipment. The results of these inspections are shipped with your aspirator and a master copy is on file at our corporate headquarters.

Care and Maintenance



Prior to cleaning with any solutions, be sure to disconnect the aspirator from its main power source to prevent electrical shock.

Your aspirator is fluid resistant not fluid proof. Never submerge or pour liquids directly onto the aspirator. To clean, wipe down the surface of the aspirator with a clean cloth and a mild disinfectant. Do not use any cleaners that contain abrasives. ***Be sure not to use any cleaners that are flammable.***

Visually inspect the aspirators main power cord on a periodic basis to ensure serviceability. Should any breaks or tearing in the insulated rubber jacket appear, or any cracks in the connection body of either end of the cord set, **DO NOT USE**, discard immediately and order a new cord set from I.M.I. Do not use any other cord set other than from the manufacturer. The cord set is specifically designed to handle the current draw required by your aspirator.

To protect your aspirator motors from aspirant over-flow, the use of a 0.3 micron, H.E.P.A. high-alpha filter is required. The filter is required to be replaced after each use. **The use of filters other than that manufactured by API may result in a media tear and allow for the introduction of aspirant in aspirator motors, and will void your warranty.**

Any modifications you require on your aspirator must be made by API or one of our authorized representatives. Any modifications made outside of the factory without prior approval from API will void your warranty.

WARRANTY

The API Aspirator series of surgical aspirators is warranted free of defects in material and workmanship under normal use and operation for a period of one year, under terms and conditions of the API warranty in place at the time of purchase. During the warranty period, API will repair or replace at its sole option, free of charge, any defective parts or products returned with prior authorization to API.

Warranty does not cover products abused, misused or altered outside of the factory location, or devices not utilizing API supplied components, devices and supplies intended for the proper operation of the equipment, unless authorized by a representative of API.

There are no obligations on the part of API for consequential damages arising out of, or in connection with the use or performance of the product. API disclaims all implied warranties of merchantability and of fitness for a particular purpose. The warranty is non-negotiable and non-transferable unless expressed by API in written form.

Date of Purchase: _____

Device Serial Number: _____

API Authorized Representative:

EXTENDED WARRANTIES ARE AVAILABLE.

Troubleshooting



Prior to performing any trouble-shooting applications, be aware of your powers main at all times. Disconnect power prior to opening enclosure.

For help on general and miscellaneous problems you may be experiencing with your aspirator, refer to the following pages for possible solutions. Look up your problem, and try the solution listed. For more detailed information, call API Directly at 317-545-6196, from 8:00 AM to 5:00 PM, Monday through Friday, Eastern Standard Time.

Problem	Solution
My aspirator will not start at all.	<ul style="list-style-type: none">* Check the following* The power cord is secure to the aspirator* The power cord is plugged into a grounded outlet* The power source is the same required by the aspirator* The circuit breaker is reset* Does the outlet work?* Is the power cord damaged?
Footswitch does Not work.	<ul style="list-style-type: none">* Check the following* If using pneumatic model:<ul style="list-style-type: none">* Is the switch(s) connected to device?* Is the rocker switch in the Footswitch "ON" position?* Step on left switch if nothing step on left again, step on right switch if nothing, leave alone and step on left switch again* If using remote wireless model:<ul style="list-style-type: none">* Replace battery in transmitter (12VDC)

Troubleshooting

Problem	Solution
There is low suction.	<ul style="list-style-type: none"> * Is the “High / Low” selector in the desired position? * Is the filter plugged? * Is the canister hooked up correctly? * Is the liner in the canister correctly? * Is the suction tube connected? * Is the cannula connected? * Does the cannula have a vent / thumb hole? * Does my plastic canister have a crack or fracture in it?

Problem	Solution
Device smells while on	Return to factory
Device vibrates uncontrollably while running	Return to factory
Device did not pass electrical inspection required by facility	Call factory for instructions
Aspirant got inside of motors	Call factory for instructions

Troubleshooting



THERE ARE NO USER SERVICABLE PARTS OR COMPONENTS INSIDE OF THE ASPIRATORS ENCLOSURE. REFER ANY AND ALL INTERNAL SERVICE REQUIREMENTS TO THE MANUFACTURER OF THIS DEVICE. SHOULD, FOR ANY REASON, YOU DECEIDE TO ENTER THE ENCLOSURE, BE SURE TO DISCONNECT THE POWERS MAIN PRIOR TO DOING SO. ENTRY INTO THE ENCLOSURE WITHOUT PRIOR APPROVAL FROM THE MANUFACTURER, WILL VOID ALL WARRANTIES EXPRESSED OR IMPLIED.

Aspirator Set-up

**If you have not done so already, utilizing the 2 person lift method, remove the aspirator from the shipping carton.

**Save all shipping materials, as it may be needed at a later date for any type of service.

NOTE: Any time the aspirator is transported or moved, be sure to use the 2 person method. The aspirator is heavy, never attempt to lift or move the device without proper back and other personal safety protection equipment.



Attach canister support rod into threaded hole on the upper right corner of device. This rod is only required to be hand tight. Do not over tighten or use mechanical instruments to tighten.

Slide collection canister ring over rod and tighten utilizing thumb screw on back of ring.



Place collection canister in ring. When you purchased your aspirator you requested the ring to fit Baxter or Abbott canisters. If you desire a ring for a different canister, call API.

Aspirator Set-up



Connect the foot-switch(s) to the pneumatic foot-switch(s) connection located on the front bottom of your aspirator.



Connect the power cord to the power entry module on the side of the aspirator and to the power source. Note: Be sure your power is labeled "Hospital Grade" and that power required matches power supplied.



Connect the "PUMP" end of the HEPA filter to the vacuum port on the top of your aspirator.

***YOU MUST USE ONLY API FILTERS.
THEY ARE DESIGNED FOR THE HIGH
FLOW. FAILURE TO DO SO VOIDS
WARRANTY.***



Connect the "PATIENT" end of the HEPA filter to your collection system as described in the instructions for that particular collection system.

Filter reorder No. IM-HFIFD

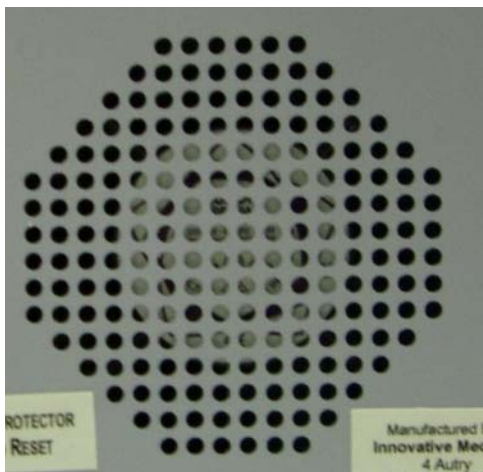
Aspirator Set-up



Connect your suction tubing to the collection canister vacuum port.
Note: If tubing is sterile, use proper protocol for this step.



Connect the other end of suction tube to the desired cannula.
Note: Sterile products should be handled per your facility protocol.



Note:
On the rear of your aspirator is a cooling fan. Do not place this fan directly against a wall or other surfaces. This fan must move air freely to keep your aspirator from over-heating.

Controls and Functions



Your aspirator has 2 rocker switch controls. The switch on the right is “Main Power”. Moving this switch to the “ON” position allows power to the aspirator. Moving this switch to the “OFF” position discontinues power to the aspirator. The switch on the left controls the foot-switch(s) function. This switch is a 3 position switch. The middle position is “Neutral”. Moving the switch to the right, “ON”, allows for foot-switch(s) operation, the light on the right will illuminate when a foot-switch is active. Moving the switch to the left, “Override”, will cause the aspirator to activate without the need of the foot-switch(s), the light on the left will illuminate immediately. **Note: When working with the footswitch(s), you must stop the aspirator with the same foot-switch you started with.**

The “Vacuum Adjust” knob is used to control the maximum amount of suction and vacuum you desire. Turn on the aspirator, place a finger over the “Vacuum” port on the top of the aspirator. Watching the vacuum gauge, make changes as desired.

Requesting Assistance

If you need assistance, service, ordering supplies or general questions on the aspirator, please feel free to contact our Anthony Products at 317-545-6196 and ask for technical support. We are always happy to hear from our valued customers.

For a complete listing of all API Authorized distributors and service centers, contact Anthony Products and ask for sales.

Be sure to visit our web site: www.anthonyproducts.com

CONTACT INFORMATION

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