

Galvanic



I N S T R U C T I O N M A N U A L
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Background Information

The galvanic is a versatile tool for an esthetician. Its' primary uses are to introduce water-soluble materials into the skin and disincrustation.

The galvanic unit was named after an Italian scientist, Luigi Galvani who discovered that animal muscles twitched when touched by an electrical spark. It is safe and effective and has been used in the medical profession for over a century. Skin care professionals have used it for over 50 years to refresh and energize the skin. It provides a gentle massage that helps focus cellular energy and enhance circulation.

Sophia Loren, who is in her 70s, credits her beautiful complexion to drinking five quarts of water a day and receiving galvanic treatments twice a week for the last 50 years.

How It Works

The galvanic unit takes the alternating current it receives from an electrical outlet and converts it into a direct current (the electrons flow continuously in one direction only) that has been modified to a safe level.

The galvanic unit contains three electronic devices to accomplish this:

- A transformer that reduces the voltage of the alternating current coming into the unit.
- A rectifier that changes the alternating current to direct current.
- A capacitor that smoothes out any irregularities in the direct current.

The current creates chemical changes as it passes through the tissues of the body.

Galvanic current is used for the following functions:

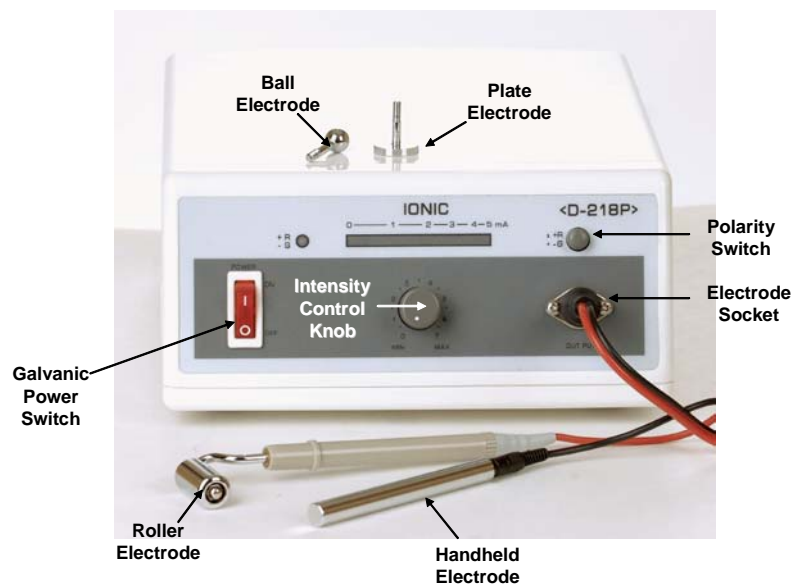
- Disincrustation** - During disincrustation, the galvanic current creates a chemical reaction that softens or emulsifies (liquefies) sebum, turning it into soap (a process known as saponification). Soap is made of fat and lye (sodium hydroxide). After liquefying the sebum, the electrical current from the galvanic unit interacts with the salts (sodium chloride) in the skin, creating the chemical sodium hydroxide or lye. The lye and fatty liquefied sebum combine to form a soapy substance that helps dissolve grease deposits, debris, and blackheads in the hair follicles, making comedones much easier to extract. Disincrustation facilitates deep pore cleansing and is particularly beneficial for acne or oily skin.
- Iontophoresis** means the introduction of ions. It assists the penetration of water-soluble products into the skin. There are 2 types of iontophoresis:
 - **Cataphoresis** uses galvanic current flowing from the positive to the negative pole to force acidic products into the deeper tissues.
 - **Anaphoresis** uses galvanic current flowing from the negative to the positive pole to force liquids that are bases (alkaline) into the tissues.

The positive current (+ anode) is used to penetrate products that are slightly acidic. It produces an acidic reaction that helps soothe nerves, decrease the blood supply, and close pores. Acidic products have a positive polarity. Since two positives tend to repel each other, products with a positive polarity are driven into the tissues.

The negative current (- cathode) is used to penetrate products that are slightly basic. It produces an alkaline reaction that helps stimulate nerves, increase the blood supply, and soften the tissues. Basic products have a negative polarity. Since two negatives tend to repel each other, products with a negative polarity are driven into the tissues.

If this is a hard concept to visualize, think of magnets that you may have played with as a child. Sometimes they seemed to attract each other and at other times, they pushed away. The negative and positive ends (also referred to as North and South ends) of two different magnets will attract each other and attach together. However, if you try to push the positive ends of two magnets together (or the negative ends of two magnets), they repel each other and push away. Apply the same concept to the polarity of your galvanic electrodes and products you are trying to introduce into the tissues.

Parts/Accessories



Polarity Switch – The Polarity Switch turns the current from positive to negative (or vice versa). The red light indicates that positive current is flowing through the electrodes. The electrode connected to the red wire is positive and the electrode connected to the black wire is negative. The green light indicates that a negative current is flowing. The electrode connected to the red wire is negative and the electrode connected to the black wire is positive.



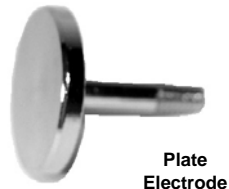


Plate
Electrode



Ball
Electrode



Roller
Electrode

Electrode Types and Their Uses

- ❑ **Roller Electrode** – Used in larger areas such as the cheeks and forehead during disincrustation.
- ❑ **Plate Electrode** – Use in larger areas such as the cheek.
- ❑ **Ball Electrode** – Used for product penetration or when you are doing disincrustation on a small area.
- ❑ **Handheld Electrode** – Passive electrode that is wrapped in a thin, damp cloth and placed in the client's right hand during the treatment. *(Note: It comes attached to the cord. It does not separate as shown in this photo.)*



Handheld Electrode

Refer to the complete replacement parts list at the end of this manual for part numbers.

Operations/Precautions

To reduce the risk of electric shock:

- Unplug the unit when not in use.
- Do not place (or drop) into water or any other liquid.
- Do not reach for a unit that has fallen into water. Unplug immediately.

To reduce the risk of burns, electric shock, fire, or injury:

- Do not leave the Galvanic unit unattended when plugged in.
- Do not allow children to operate the Galvanic unit
- Extreme caution should be used when the Galvanic unit is used on or near invalids.
- The Galvanic unit should be used only for its intended purpose as described in this manual.
- Do not use attachments that are not recommended by the Galvanic unit manufacturer.
- Do not operate the Galvanic unit if:
 - It has a damaged cord or plug.
 - If it is not working properly.
 - If it has been dropped or damaged.
 - If it has been dropped into water.
- If damaged, return the Galvanic unit to an authorized service center for examination and repair.
- Keep the cord of the Galvanic unit away from heated surfaces.
- Never block the air vents of the Galvanic unit
- Do not use the Galvanic unit outdoors.
- Connect the Galvanic unit to a properly grounded outlet. See Grounding Instructions below.

Contraindications

- Do not use galvanic current on pregnant clients.
- Do not use galvanic current on a client that has a pacemaker or a heart condition.
- Be cautious when using galvanic treatments with clients that have high or low blood pressure or systemic disease.
- Do not use galvanic current on clients who are suffering from edema, infection, inflammation, or telangiectasia (permanent dilatation of the capillaries and small blood vessels).
- Do not use galvanic current over an area that has broken blood vessels.
- People who take minerals can be more sensitive to galvanic current than people who don't take minerals.
- Do not perform the galvanic procedure on a client who is severely dehydrated. If a client is severely dehydrated, they may receive a galvanic burn that will resemble a sunburn. If the client's skin is dehydrated, it will be dull and flaccid.

There may be other unknown contraindications for this Product. For this reason, you should always recommend that your Client discuss the use of this Product as part of their spa treatment program with their health care professional before commencing treatment. Universal Companies, Inc., its officers, directors, employees and vendors cannot be responsible for any claims, damages, injuries or expenses arising from your Client's use of this Product prior to discussing it with their health care professional or from disregarding the Product's instructions, and you and your Client agree to hold Universal harmless from any such claims. We and our suppliers care about the health and beauty of your Clients. While we make every reasonable effort to maintain strict quality control and training standards, every client is unique and spa treatments do affect people differently. Unless you advise us otherwise, we have to assume that your Client has discussed your spa treatment plan with their health care professional and secured their approval. Doing this will make your Client's spa experience safe and will be supportive of their overall emotional and physical well being. After all, that is the goal of us all.

Electrode Types and Their Uses

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- ❑ **Ball Electrode** – Used for product penetration or when you are doing disincrustation on a small area.
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Handheld Electrode

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Precautions During Use:

- ❑ Both the client and the esthetician should remove all jewelry.
- ❑ Check to ensure that all electrode wire connections are securely attached to the unit.
- ❑ Attach the proper electrode securely. The handheld electrode attaches to the *black wire* while the working electrodes attach to the handle with the *red wire*.
- ❑ **Do not use any products that contain alcohol when using electricity;** use only products that are water-soluble.
- ❑ Before turning "On" the unit, wrap the handheld electrode with a thin layer of moist gauze and place it securely in the client's right hand. The galvanic current should remain between 2 and 3 on the output meter.

Note: Some clients are more sensitive to galvanic current than others. Be sure to monitor the client's comfort level frequently.

- ❑ *Before* turning the galvanic unit On/Off, turn the intensity of the current to the lowest setting.
- ❑ The client should feel very little sensation from the current. However, the client may have a tingling sensation or may experience a slight metallic taste in his/her mouth. The taste may be extreme if the client has metal braces or if they have several metal fillings. It may be helpful to have a mint available for the client during the treatment.
- ❑ Keep the working electrode moving over the treatment area at all times. The working electrode should never remain in the same position while in contact with the client's skin for longer than two (2) seconds. Turn intensity to zero (0) when changing to a different area of the skin.
- ❑ When using the galvanic unit, always end the treatment with the positive current.

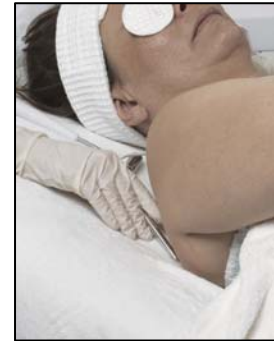
Instructions for Use

Before using for the galvanic unit the first time:

1. Split the wires connecting the two electrodes together to within 2 or 3 inches of the plug. Separating the wires will give the esthetician freedom to work.

Prior to the Galvanic Treatment:

2. Both the client and esthetician should remove all jewelry.
3. Plug the electrode wires into the socket on the front of the unit.
4. Wrap the passive electrode in a thin cloth that has been dampened and place it in the client's right hand or under their right shoulder. The client should maintain contact with the rod throughout the entire treatment. The cloth should be dampened with a liquid that conducts electricity. Do not use distilled water.
5. Select the desired electrode (roller, plate, or ball) and screw the threaded end of the electrode in the galvanic handle of the red wire and finger tighten. Do not overtighten



Disincrustation – Treatment Steps

Note: Negative polarity is used for the disincrustation procedure.

1. Cleanse the client's skin thoroughly.
2. Apply a disincrustation solution to the client's face leaving a light film. This is an alkaline-based or electro-negative solution. It is formulated to remain on the surface of the skin rather than being absorbed.

Note: If you do not have a favorite disincrustation lotion, you can make a paste using baking soda and water. If you use a disincrustation lotion from a skincare company, read the directions and perform the procedure according to their directions.

Alternatively, you can cover the electrode with gauze and dip the electrode into the treatment solution and proceed with the treatment.

3. Turn the Power Switch to the On position.
4. Make sure the Intensity Control Knob is turned to its lowest setting.
5. Press the Polarity Button to change your galvanic setting to negative (the button is in the "down" position). This sets the working electrode (the one held by the esthetician) to negative and the passive electrode (the one under the client's shoulder or in their right hand) to positive. The light next to the Polarity Button should be green.

Note: Polarity changes automatically. You do not have to physically change electrodes

6. Place the active electrode on the client's skin.



7. Turn the Intensity Control Knob clockwise. As you turn the knob, you will hear a click. That is the “safe” point on the Control Knob. As you continue to turn the knob clockwise, the intensity of the current increases. Be sure to monitor the client’s comfort level closely. If you turn the knob counterclockwise past the “click” or “safe” point, the current stops flowing.

The standard working level is between 1 and 2 depending on the sensitivity of the client. It is not advisable to work at a level higher than 3. The indicator light will go from green to yellow to red.

8. Glide the active electrode over the client’s skin.

Note: It is recommended that you use the galvanic for 5 to 7 minutes in the T-zone. For acneic or oily skin, 10 minutes may be necessary.

Disincrustation should only be used on areas of the skin that are oily. Avoid dry areas such as the cheeks. Because it can cause severe irritation, disincrustation should not be used on the eyelids or neck.

9. If you lose contact with the client’s skin, turn the Intensity Control Knob counterclockwise until you meet resistance. Place the active electrode back on the client’s skin. Turn the Intensity Control Knob to the desired level and resume treatment.
10. Turn the Intensity Control Knob counterclockwise past the “safe” point when you have completed the treatment.

Note: If the two electrodes touch each other or if the intensity of the current flowing through the unit becomes too great, the unit will automatically cut off. You will have to reset the Galvanic unit. Turn the Intensity Control Knob counterclockwise until it clicks. The unit will reset and you can turn it to the proper level and resume treatment.

11. Switch the polarity to positive. The light next to the Polarity Button should be red.
12. Pass the electrode back over the treated areas for 1 to 2 minutes.
13. When the treatment is complete, turn the machine off and remove the electrode.
14. Rinse the skin thoroughly with cotton pads.
15. Proceed with extractions.

Iontophoresis – Treatment Steps

Iontophoresis is used to penetrate water-soluble solutions into the skin.

Positive Pole (Anode)

- ◆ Produces acidic reactions
- ◆ Closes pores
- ◆ Soothes nerves
- ◆ Decreases blood supply
- ◆ Contracts blood vessels
- ◆ Hardens and firms tissue

Negative Pole (Cathode)

- ◆ Produces alkaline reactions
- ◆ Opens pores
- ◆ Stimulates nerves
- ◆ Increases blood supply
- ◆ Expands blood vessels
- ◆ Softens Tissues

Different ampoules have different polarity. Products with a slightly acidic pH have a positive polarity, and products that are alkaline have a negative polarity. If the product has a negative polarity, it is infused into the skin with the esthetician's electrode set at negative polarity while the client is holding the positive electrode. If the product has a positive polarity, the esthetician's electrode is set to positive and the client's electrode operates as a negative electrode.

If the polarity of a product is unknown, spend 3-5 minutes using negative polarity and then 3-5 minutes using positive polarity.

1. Cleanse the client's skin thoroughly.
2. Select the preferred electrode tip and insert it into the galvanic handle on the end of the red wire.
3. Apply a water-soluble ampoule, light cream, or serum to your client's face. Use a product specifically designed for penetration by a galvanic current.

Alternatively, you can cover the electrode with gauze and dip the electrode into the treatment solution and proceed with the treatment.

4. Make sure the client is holding the handheld passive electrode, which has been wrapped, in a thin, damp cloth. The cloth should be dampened with a liquid that conducts electricity. Do not use distilled water or alcohol-based products.
5. If the unit is not already on, turn the Power Switch to the On position.
6. Make sure the Intensity Control Knob is turned to its lowest setting.
7. Based on the desired treatment outcome, press the Polarity Switch to set the Galvanic unit to the desired polarity. For the positive (+) mode, the button should be in the "up" position. The light next to the button should be red.

For the negative mode (-), the button should be pressed down. The light next to the button should be green.

This sets the working electrode (the one held by the esthetician) and the passive electrode (the one in the client is holding in their right hand) operates using the opposite polarity.

Note: With this galvanic unit, the polarity changes automatically. You do not have to physically change electrodes. Some galvanic machines require that you physically switch the electrodes.

8. Place the active electrode on the client's skin.
9. Turn the Intensity Control Knob clockwise. As you turn the knob, you will hear a click. That is the "safe" point on the Control Knob. As you continue to turn the knob clockwise, the intensity of the current increases. Be sure to monitor the client's comfort level closely. If you turn the knob counterclockwise pass the "click" or "safe" point, the current stops flowing.

The standard working level is between 1 and 2, depending on the sensitivity of the client. It is not advisable to work at a level higher than 3. The indicator light will go from green to yellow to red.

10. Glide the active electrode over the client's skin for 5 to 7 minutes. Their skin should be kept moist throughout the treatment.
11. If you lose contact with the client's skin, turn the Intensity Control Knob counter clockwise until you meet resistance. Place the active electrode back on the client's skin. Turn the Intensity Control Knob to the desired level and resume treatment.



12. Turn the Intensity Control Knob counter clockwise past the “safe” point when you have completed the treatment.
13. If you have been penetrating a solution using negative polarity, switch the polarity to positive and pass the electrode back over the treated areas for 1 to 2 minutes.
14. Turn the Galvanic unit off when you have completed the penetration.
15. Unplug the Galvanic unit when not in use.

Note: If the two electrodes touch each other or if the intensity of the current flow flowing through the unit becomes too great, the unit will automatically cut off. You will have to reset the Galvanic unit. Turn the Intensity Control Knob to counter clockwise until it clicks. The unit will reset and you can turn it to the proper level and resume treatment.

Troubleshooting

If you experience problems with the operation of your galvanic, please consult this troubleshooting guide before calling technical services at 1-888-558-5571.

1. If there is no current, check to ensure that:
 - The galvanic power switch is set to the “On” position.
 - The intensity control knob is turned to a position that will create a current.
 - The wires are attached securely to the panel and that the electrodes are attached to wires.
 - The wire set has been inspected for breaks or cuts. Replace if damaged.
 - The fuse in the back of the unit is good. Replace the fuse if necessary.

If the current suddenly increases during a session or if the two electrodes touch while the machine is turned on, the galvanic unit will shut down automatically and you will need to reset the unit.

2. To reset the unit:
 - Turn the intensity control knob counterclockwise until you hear a click.
 - Then turn the Intensity Control Knob clockwise to the proper level and continue treatment.

Specifications

Dimensions

- ❑ 9" wide, 4.25" high, 10.5" deep

Electrical

- ❑ 120 V
- ❑ 60 Hz
- ❑ 5 watts
- ❑ 5 amps max

Parts List with SKU's

<u>Part Name</u>	<u>Part Number (SKUs)</u>
Galvanic Accessory Kit (includes wire set and passive electrode)	CP9439T
Ball Electrode	CP9440T
Plate Electrode	CP9442T
Roller Electrode	CP9441T
5 amp long fuse	CP9428T

Warranty Statement

The manufacturer (the "warrantor") warrants to the original purchaser that this equipment will be free from defects under normal and proper operation for a period of one (1) year from the date of purchase. This warranty covers all parts and labor for that one (1) year period. This warranty shall not apply to any equipment that has been subjected to abuse, misuse, and alteration of any type or to any defect or damage caused by repair, replacement, substitution or use with parts other than parts approved by the manufacturer.

The manufacturer shall not be liable for the loss of use of this equipment, loss of time or business, inconvenience or any other indirect, consequential, special or incidental damages due to defects covered by this warranty or any implied warranty.

To implement this warranty, contact the dealer from whom you purchased the equipment. If necessary, you will be asked to return all, or the appropriate part, of the equipment. If warranted, the repairs will be performed at no charge and the equipment returned to you. *Unit owner must prepay all shipping costs when returning items for warranty service.*

This limited warranty is the only written or express warranty given by the manufacturer. This warranty gives you specific legal rights but you may also have other rights, which may vary from state to state or province to province.

Authorized Technical Service Center:

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