



FREQUENTLY ASKED QUESTIONS ABOUT Arc

Q. How does the cost of the disposable *gi4000* gas compare to the big standard tanks?

A. The per procedure cost is about the same. The convenient, patented *gi4000* system uses a 49 liter canister filled with 99.999% pure argon. It is estimated that about .3 to 1 liter of argon will be used for each argon procedure. Each canister serves, on average, 50 to over 100 argon therapy patients. Each canister costs \$150.

The entire system is designed to conserve gas. Virtually no gas leaks when the system is not in use. Purge cycles are short. Unlike large reusable tanks, no gas is lost during tank changes and no residual gas is wasted. The system tracks the volume remaining in the tank and vents automatically to allow for safe disposal or recycling. (We recommend that canisters be put into recycling collection containers. While they are never refilled, they can be reprocessed into other products).



Canisters are sold in convenient packs of two or four so it is easy to have a backup on hand. You do not need to sacrifice value for convenience with the patented *gi4000* compact argon system!

An added bonus: with the *gi4000* there is no additional expense to purchase canisters and replace external gas regulators and single use back flow filters!

Q. What disposables must I purchase with the *gi4000*?

A. Two unique products are required to be purchased from Genii: the disposable/recyclable gas canisters and the single use ArConnect® for attaching argon probes. You will want to choose some or all of the three styles of ArC Smart™ argon probes. All other accessories (snares, sphinctertomes) that you normally use are compatible. The *gi4000* can be used with disposable grounding pads and single use lavage pump tubing sets from all major manufacturers.

G11-200-10	Argon Gas Canister. 49 liter 2 pack	2 pack
G11-200-104	Argon Gas Canister. 49 liter 4 pack	4 pack
G11-200-20	ArConnect® Single Use argon probe connector	10 per box
G11-400-01	ArC Smart™ Probe, Straight Fire, 2.3mm OD X 220cm	10 per box
G11-400-02	ArC Smart™ Probe, Straight Fire, 2.3mm OD X 330cm	10 per box
G11-400-03	ArC Smart™ Probe, Straight Fire, 3.2 mm OD X 220cm	10 per box

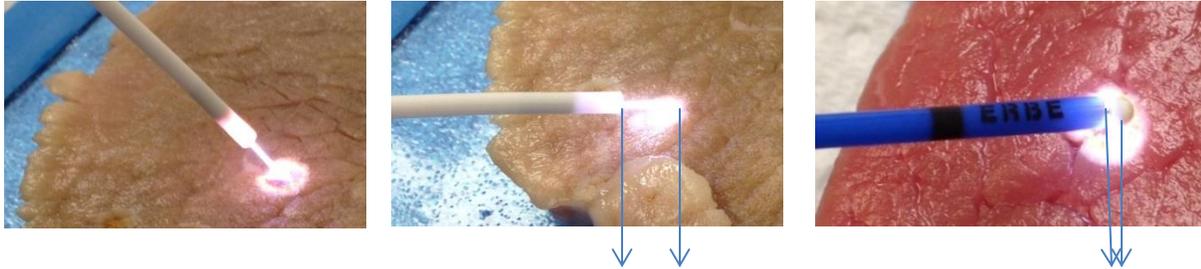
(ArCSmart probes and ArConnect are also sold in combo boxes for convenience. Ask Customer service or your representative for details.)



To order Genii products or request information or education, contact customerservice@genii-gi.com or call 1-855-501-4810. Visit us on the web at www.genii-gi.com

Q. Why are side or circular tipped probes unnecessary with the ArC Smart™ Beam?

A. No directional ('sidefire' or 'circumferential') tips are needed with the longer ArC Smart beam which makes 'not touching' easier and which bends to follow the current path and goes around corners without any special probe tips. **These tips only shorten the beam**, add cost to the probes and make passage more difficult in side viewing or flexed scope positions. No published data has shown any clinical benefit to tips on argon probes. Once you experience the longer arc of the ArC Smart Linear™ beam there will be no desire to use anything other than an ArC Smart probe!



Q. What best practices can you suggest when using argon coagulation therapy? **A. First and always, argon coagulation is a non-contact therapy.** Try to keep the distal probe tip at least 2 to 5 mm away from the tissue. Even with a side or round tipped probe, it is NOT safe to touch the tissue. Not touching is made easier by the longer *gi4000* ArC Smart beam but still requires care and correct technique. One option is to consider whether a tangential approach might be preferred over an en face (directly perpendicular) approach. The ionized beam will 'bend' to follow the current path to the tissue. It is easier to judge distance and to control the probe if it does not protrude more than 2-5 cm from the endoscope.

Argon coagulation is a monopolar electrosurgical method. The arc length will be influenced by the resistance in the complete circuit which includes the air gap as well as the patient tissue between the treatment site and the dispersive (grounding) pad. Patients vary in their total resistance. The same power setting on one patient may not yield the same arc length on another. Placing the grounding pad as close to the treatment site as possible can help to shorten the distance the current must travel to the grounding pad and therefore lessen the total resistance and increase the arc length. The ArC Smart Linear beam is designed to give the physician greater control over resistance influenced arc length. Slightly increasing the power will increase the beam length in a linear, predictable way without greatly increasing the intensity of the tissue injury.

When trying to increase the arc length, don't turn up the gas flow. Argon works by using voltage to ionize atoms of argon in a chain reaction. Once there is an adequate argon cloud present at the treatment site, adding more gas can simply dilute the ionized species and work against increasing the arc beam. Especially with the *gi4000* ArC Smart Linear beam, slightly increasing the power setting by one or two watt increments will likely be more effective. Increasing the gas flow can lead to overall greater distention and a greater risk of pneumatosis. An argon flow rate of 1 liter per minute is most used for gastroenterology procedures.

Don't forget that time is an important variable! A brief burst of argon assisted energy will give a superficial result while holding the arc steady over a small area, or going over the area again will deepen the tissue injury even without changing the power setting or the type of argon waveform. This is made easier to control with the ArC Smart Linear beam. See the Genii August White Paper for details.