



HelixAR™ Electrosurgical Generator with Argon Beam Coagulation (ABC®)

Advanced ESU Capability with ABC® Technology

The HelixAR™ combines the advanced specialty modes of a premium ESU with the benefits of CONMED's latest ABC® Technology and is intended for use in both open and laparoscopic procedures.



AIRSEAL® SYSTEM
INSUFFLATION MANAGEMENT



ABC® HANDPIECES
SINGLE AND TRIPLE FUNCTION



BEND-A-BEAM®
MALLEABLE ABC® HANDPIECES



To learn more about these and
other innovative products,
call 800-448-6506 or
visit CONMED.com

For over 20 years,
ABC® Technology has
been routinely used
in many ORs



ABC® Technology

When using the non-contact coagulation, the addition of argon gas enables more precise delivery of RF energy to tissue compared to the traditional spray coagulation. Argon gas helps clear pooled blood and can reduce surgeon effort. Also, it is inert and displaces oxygen from the immediate surgical field reducing the carbonization of tissue, blood loss and smoke plume thereby providing adequate visualization of the surgical site.



A



B

Comparison of ABC® Technology
and Spray Coagulation

A. ABC® Technology

B. Spray Coagulation

BENEFITS OF ARGON BEAM COAGULATION (ABC®)

- **Rapid, Superficial Hemostasis**

- Reduces carbonization by allowing ABC® to coagulate directly on the stroma of target tissue
- Less blood loss, less OR time and improved eschar integrity can result from this rapid hemostasis

- **Less Tissue Damage**

- Due to the cooling effects of argon flow during RF energy delivery, ABC® operates at lower temperatures than spray coagulation¹

- **Focused RF Energy**

- Argon gas enables precise delivery of RF energy in a uniform stream, which is distributed evenly on tissue

- **Clear Visualization**

- Improves visualization by helping carry surgical smoke away from the field of view, reduces unpleasant odors and clears the surgical site of blood and other fluids

HelixAR™

The Advanced ESU

DESIGNED TO MINIMIZE UNINTENTIONAL TISSUE CHARRING

The HelixAR features CONMED's proprietary Dynamic Response Technology (DRT) that delivers optimal clinical effects in Monopolar Cut, Monopolar Coagulation and Bipolar Coagulation through the continuous synchronization of current and voltage. DRT provides more control and consistent tissue effects by responding to changes in tissue in up to 10 milliseconds. The HelixAR is one of the industry's most versatile units with the following features for a custom experience:

MONOPOLAR SPECIALTY

Lap Mode

Limits output voltages below 2,700 volts in all of the HelixAR™ Monopolar modalities. Lap mode is designed to help reduce the risk of inadvertent burns from capacitive coupling from excess voltage.

Specialty: Robotic Surgery, All Minimally Invasive Procedures

Fluids Mode

Effectively "kick starts" the initiation of surgical energy providing an immediate clinical effect in high load/low impedance conditions – typically used in procedures where there is fluid in the surgical site.

Specialty: Urology, Gynecology, Arthroscopy

Pulse Cut Mode

Provides control of cutting depth for critical dissections necessary for endoscopic retrograde cholangiopancreatography (ERCP).

Specialty: Gasteroenterology

Pulse Coag Mode

Provides pulsing bursts of coagulation energy for more control of hemostasis at the operative site, resulting in visibly less tissue carbonization than standard coagulation at equivalent power settings.

Specialty: General Surgery, ENT

HelixAR™ CONMED's Latest ABC® Technology

NEW ABC® Modes

Argon Dissect

Works with the CONMED dissecting electrode on compatible ABC® handpieces to provide argon enhanced cutting with four varying levels of hemostasis.

Specialty: General Surgery, Plastic Surgery, Orthopedic Surgery

Pulse Argon

Provides controlled and precision hemostasis for small surface bleeders with four pulse timings.

Specialty: Gasteroenterology



Dissecting Electrodes readily integrate with select open and laparoscopic handpieces

ADDITIONAL FEATURES

Program Mode

Use the on screen keyboard to store up to 100 custom surgical settings.

ABC® Handpieces also extend Argon Dissect capability when using contact coagulation

Remote Power Control

When this feature is enabled, the surgeon can adjust power up or down from the sterile field using an electrosurgical pencil.

Wireless Footswitch Capability

For additional convenience, a wireless footswitch kit is also available. Includes monopolar and ABC footswitches.



HelixAR™ with ABC®: Compact footprint, mobile and fully integrated.

SYSTEMS AT A GLANCE

		HelixAR™ w/ABC®	Basic Electrosurgical Generator
ABC® MODES	Open	•	
	Lap	•	
	ABC® Flex	•	
	Manual	•	
	Argon Dissect	•	
	Pulse ABC®	•	
MONOPOLAR MODES	Pure Cut	•	•
	Blended Cut	1–3	High/Low
	Pulse Cut	•	
	Pulse Coagulation	•	
	Spray Coagulation	•	•
	Standard Coagulation	•	•
	Pinpoint Coagulation	•	
BIPOLAR MODES	Macro Coagulation	•	•
	Micro Coagulation	•	•
SPECIALTY MODES	General	•	•
	Laparoscopic	•	
	Fluids	•	
PERFORMANCE FEATURES	Dynamic Response Technology	•	
	Continuous Microprocessor Safety Monitoring	•	
	Automatic Tank Switchover	•	
	Smart Cart	•	
	Color LCD Display	•	
	Wireless Footswitch Capability	•	
	USB Software Update Feature	•	



525 French Road, Utica, NY 13502

HELIXAR™
WITH ABC®

Ordering Information

Description	Catalog Number
HelixAR™ System	
HelixAR™ System, 120V ABC Generator and Cart	60-8800-SET120
Includes HelixAR™ System, 120V ABC Generator, Cart, Monopolar and Bipolar Footswitch	60-8800-SYS120
Footswitches	
ABC® Single Pedal Footswitch, 15'	60-8475-001
ABC® Single Pedal Footswitch, 30'	60-8470-001
HelixAR™ Wireless Footswitch Kit (Monopolar & ABC Footswitch, AA Batteries, Receiver/Antenna, Operator's Manual*)	60-8480-001
Monopolar Dual Pedal Footswitch, 15'	60-6700-001
Bipolar Single Footswitch, 15'	60-5103-002
Argon Gas Tanks	
D Size with 33 Cubic Feet (934.46 liters) capacity 99.998% Pure Argon Gas included	136050
Empty D Size with 33 Cubic Feet (934.46 liters) capacity.	136051

*Assembly required. Refer to Wireless Footswitch Operator's Manual for more information.

Customer Service: 1-800-448-6506
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Fax: 1-800-438-3051

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