### Radiofrequency (RF) Ablation, Pacing, and Sensing

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### Ablation and LAAM Product List

- Codes and Names ............................................. 12-13
Bipolar RF Clamps

Isolator Long Synergy Clamp
OLL2
- Left curve dual electrode pairs
- 65 mm jaw length

Isolator Synergy Clamp, Standard Jaw
OSL2
- Left curve dual electrode pairs
- 53 mm jaw length

Isolator Synergy Clamp, Right
EMR2
- Right curve dual electrode pairs
- 60 mm jaw length
- Glidepath tape included

Isolator Synergy Clamp, Left
EML2
- Left curve dual electrode pairs
- 60 mm jaw length
- Glidepath tape included

Isolator Synergy Access Clamp
EMT1
- Right curve, dual electrode pairs
- 64 mm jaw length
- 30° upward/downward jaw articulation
Versapolar RF with Suction

**COBRA Fusion 150 Ablation System**
700-001S-K
- Versapolar technology (bipolar and monopolar) and suction technology
- Includes:
  - COBRA Fusion 150 device (700-0001-S)
  - Suction canister (099-65651-212)
  - Ground pad (017-M004-354-0)

**Fusion Magnetic Retriever System**
700-003
- Includes:
  - Magnetic introducer
  - Magnetic retriever
  - Two stylets
  - Magnetic positioner
  - Magnetic swivel positioner
Minimally Invasive - Closed Chest

**EPI-Sense Coagulation Device**
- CDP-4330-1 (EPI-Sense Guided 6130 Device)
- CDP-4330 (EPI-Sense Guided 6130 Device 3-Pack)
- CDP-4330-5 (EPI-Sense Guided 6130 Device 5-Pack)
- CDP-4340-1 (EPI-Sense Guided 6140 Device Pack)
- CDP-4300-1 (EPI-Sense Guided 6130 Device, no Cannula)
  - 3 cm device
  - Embedded sensing electrodes
  - Irrigation/perfusion lumen
  - Integrated suction

**Subtle Cannula**
- CSK-6130 (30 cm length)
- CSK-6140 (40 cm length)
  - For use with 5 mm or 10 mm scope
  - Compatible with a 0.026" guidewire
Linear Pens and Probes

Isolator Transpolar Pen
MAX1 (U.S.)
MAX3 (International)
• 7 mm bipolar electrodes
• Ablate, pace, sense and stimulate electrodes

Isolator Transpolar Long Pen TT
MAX5
• 7 mm bipolar electrodes
• Ablate, pace, sense and stimulate electrodes
• Longer shaft for easier access

Isolator Linear Pen
MLP1
• 20 mm bipolar electrodes
• Ablate, pace, sense and stimulate electrodes
• 80° total head articulation

Coolrail Linear Pen
MCR1
• 30 mm bipolar electrodes
• Internally cooled radiofrequency electrodes
Capital Equipment

**ORLab System Cart**

**ORLab3**
- Touchscreen monitor
- Stimulus connection box
- Computer
- Ablation and Sensing Unit (ASU)
- Switch Box (ASB3)
- cryoICE BOX (ACM)
- Exhaust hose
- Laser printer
- Stimulus Generator Unit (SGU)

**Ablation Sensing Unit and Switch Matrix**

**ASU, ASB**
- 115 V (U.S.)
- 230 V (International)
- UL and CSA rated
- Includes: one electrical cord and one foot-switch

**Electrosurgical Unit**

**ESU**
- 115 V (U.S.)
- 230 V (International)
- Automatically adjust power outlet

**RF Generator**

**CSK-320**
- 110 V (U.S.)
- 230 V (International)
- 480 kHz
- Transmits up to 100 W
- Includes: RF Coagulation cable (CSK-2000), one foot pedal, and one electrical cord

**Medela Pump**

0371224 - 115 V (U.S.)
0371115 - 230 V (International)
Cryoablation Probes

**cryoICE Cryoablation Probe**

**CRYO2**
- Second generation cryoICE cryoablation probe
- Offers several features that improve ergonomic function while still delivering consistent performance

**cryoICE Cryoablation Probe**

**CRYO3**
- Third generation cryoICE cryoablation probe
- Requires 25% less bend force to shape versus CRYO2

**cryoFORM Cryoablation Probe**

**CRYOF**
- Latest generation cryoICE cryoablation probe
- Provides increased probe flexibility to adapt to a variety of surgical ablation procedures
- Intended to address the trend towards more minimally invasive techniques by allowing surgeons to easily shape and position the probe using endoscopic instruments

Capital Equipment

**cryoICE BOX V6**

**ACM**
- Automatic ablation sequencing
- User adjustable parameters
- Includes: heater band, N₂O exhaust line, tank connection, power cord and optional foot-switch control
# AtriClip LAA Exclusion System

## AtriClip Standard Device

- **ACH135** (35 mm)
- **ACH140** (40 mm)
- **ACH145** (45 mm)
- **ACH150** (50 mm)

- ±15° lateral rotation
- Plunger grip
- 6 cm stiff shaft
- Includes Selection Guide

## AtriClip FLEX Device

- **ACH235** (35 mm)
- **ACH240** (40 mm)
- **ACH245** (45 mm)
- **ACH250** (50 mm)

- ±45° omnidirectional
- Plunger grip
- 6 cm flexible shaft
- Includes Selection Guide

## AtriClip Long Device

- **LAA035** (35 mm)
- **LAA040** (40 mm)
- **LAA045** (45 mm)
- **LAA050** (50 mm)

- ±30° omnidirectional head articulation with lock
- Quick deploy feature
- Malleable shaft, 25 cm
- Includes Selection Guide

## AtriClip PRO Device

- **PRO135** (35 mm)
- **PRO140** (40 mm)
- **PRO145** (45 mm)
- **PRO150** (50 mm)

- ±90° lateral head articulation
- Malleable shaft, 25 cm
- Includes Selection Guide

## AtriClip PRO2 Device

- **PRO235** (35 mm)
- **PRO240** (40 mm)
- **PRO245** (45 mm)
- **PRO250** (50 mm)

- Hoopless End Effector
- Small Diameter End Effector (12 mm)
- Active Articulation Levers
- Includes Selection Guide

## AtriClip PRO•V Device

- **PROV35** (35 mm)
- **PROV40** (40 mm)
- **PROV45** (45 mm)
- **PROV50** (50 mm)

- 12 mm Port Compatibility
- Opened-Ended Design Clip
- Tip-First Closure
- Includes Selection Guide

## AtriClip FLEX•V Device

- **FLEXV35** (35 mm)
- **FLEXV40** (40 mm)
- **FLEXV45** (45 mm)
- **FLEXV50** (50 mm)

- One-handed application
- Suture-less clip deployment with trigger clip release
- Small footprint to minimize the interference with adjacent structures
- Includes Selection Guide

## Selection Guide

- **CGG100**

- Left atrial appendage sizing
- Aluminum alloy
Dissectors

Glidepath Dissector
GPD1
- Glidepath soft guide
- 18 cm shaft

Lumitip Dissector
MID1
- Glidepath soft guide
- 27 cm shaft

Guides

Glidepath Tape
GPT100
- For use with EMR2 or EML2

Glidepath Tape
GPT200
- For use with EMT1

Glidepath Tape
GPT300
- For use with OLL2 or OSL2
Carts

Basic Cart

ASCB2

Can accommodate the following:

• Touchscreen monitor
• Stimulus connection box
• Computer
• Ablation and Sensing Unit (ASU)
• Switch Box (ASB3)
• cryoICE BOX (ACM)
• Exhaust hose
• Laser printer
• Stimulus Generator Unit (SGU)

Simple Cart

ASCS

Can accommodate the following:

• Ablation and Sensing Unit (ASU)
• Switch Box (ASB3)
• cryoICE BOX (ACM)
• Exhaust hose
• N₂O tank
• N₂O tank with heater band

Fusion Cart

ASCF

Can accommodate the following:

• Electrosurgical Unit (ESU)
• Medela Pump
# Ablation and LAAM Product List

## ORDER CODE | NAME AND DESCRIPTION
--- | ---
**Bipolar RF Clamps**
OLL2 | Isolator Long Synergy Clamp
OSL2 | Isolator Synergy Clamp, Standard Jaw
EMR2 | Isolator Synergy Clamp, Right
EML2 | Isolator Synergy Clamp, Left
EMT1 | Isolator Synergy Access Clamp
**Versapolar RF with Suction**
001-700-001S-K | COBRA Fusion 150 Ablation System
001-700-003 | Fusion Magnetic Retriever System
**Minimally Invasive - Closed Chest**
CDP-4330-1 | Epi-Sense Guided 6130 Device, 3 cm
CDP-4330 | Epi-Sense Guided 6130 Device 3-Pack, 3 cm
CDP-4340-5 | Epi-Sense Guided 6130 Device 5-Pack, 3 cm
CDP-4340-1 | Epi-Sense Guided 6140 Device Pack, 3 cm (no Cannula)
CSK-6130 | Subtle Cannula with Guide Kit, 30 cm
CSK-6140 | Subtle Cannula with Guide Kit, 40 cm
**Linear Pens and Probes**
MAX1 (U.S.) | Isolator Transpolar Pen, 7 mm electrodes
MAX3 (Int’l) | Isolator Transpolar Long Pen TT, 7 mm electrodes
MCR1 | Coolrail Linear Pen, 30 mm electrodes
MLP1 | Isolator Linear Pen, 20 mm electrodes
**RF Capital Equipment**
ORLab3 | ORLab System Cart
ASU2 | Ablation Sensing Unit
ASB3 | Switch Matrix
ESU | Electrosurgical Unit, 115 V
CSK-320 | RF Generator, 110 V
013-0371224 (U.S.) | Medela Pump, 115 V
013-0371115 (Int’l) | Medela Pump, 115 V
**Cryoablation Probes**
CRYO2 | cryoICE Cryoablation Probe, 10 cm malleable
CRYO3 | cryoICE Cryoablation Probe, 10 cm malleable
CRYOF | cryoFORM Cryoablation Probe, 10 cm corrugated
**Cryo Capital Equipment**
ACM | cryoICE BOX V6, 115 V and 230 V
**Soft Tissue Dissection - Dissectors and Guides**
GPD1 | Glidepath Dissector, 18 cm
MID1 | Lumitip Dissector, 27 cm
GPT100 | Glidepath Tape, for use with EMR2 or EML2
GPT200 | Glidepath Tape, for use with EMT1
GPT300 | Glidepath Tape, for use with OLL2 or OSL2
<table>
<thead>
<tr>
<th>ORDER CODE</th>
<th>NAME AND DESCRIPTION</th>
</tr>
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<tbody>
<tr>
<td>ACH135</td>
<td>AtriClip Standard Device, 35 mm Clip</td>
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<tr>
<td>ACH140</td>
<td>AtriClip Standard Device, 40 mm Clip</td>
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<tr>
<td>ACH145</td>
<td>AtriClip Standard Device, 45 mm Clip</td>
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<td>ACH150</td>
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<td>ACH250</td>
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<tr>
<td>LAA045</td>
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<td>PRO235</td>
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<td>FLEXV50</td>
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<tr>
<td>CGG100</td>
<td>AtriClip Device Selection Guide</td>
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</table>

**Cart Specifications**

<table>
<thead>
<tr>
<th>Cart</th>
<th>Description</th>
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<tbody>
<tr>
<td>ASCB2</td>
<td>Basic Cart</td>
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<tr>
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<td>Can accommodate: Touchscreen monitor, Stimulus connection box, Computer,</td>
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<tr>
<td></td>
<td>Ablation and Sensing Unit (ASU), Switch Box (ASB3), cryoICE BOX (ACM),</td>
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<tr>
<td></td>
<td>Exhaust hose, Laser printer, Stimulus Generator Unit (SGU)</td>
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<tr>
<td>ASCS (U.S. Only)</td>
<td>Simple Cart</td>
</tr>
<tr>
<td></td>
<td>Can accommodate: Ablation and Sensing Unit (ASU), Switch Box (ASB3),</td>
</tr>
<tr>
<td></td>
<td>cryoICE BOX (ACM), Exhaust hose, N₂O tank, N₂O tank with heater band</td>
</tr>
<tr>
<td>ASCF</td>
<td>Fusion Cart</td>
</tr>
<tr>
<td></td>
<td>Can accommodate: Electrosurgical Unit (ESU), Medela Pump</td>
</tr>
</tbody>
</table>
AtriClip® device, AtriClip PRO® device, AtriClip PRO2® device, COBRA Fusion® ablation system, Coolrail® linear pen, cryoFORM® probe, cryoICE cryoFORM® probe, cryoICE® probe, EPI-Sense® coagulation device, Fusion® magnetic retriever kit, Isolator® clamp, Subtle® cannula, Synergy Access® clamp are all registered trademarks of AtriCure, Inc. AtriClip PRO-V™ device, FLEX·V™ device, Glidepath™ soft guide, Isolator Long™ clamp, Lumitip® dissection system, Synergy™ clamp trademarks are all used by AtriCure, Inc. All rights reserved.

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Please review the Instructions for Use for a complete listing of indications, contraindications, warnings, precautions and potential adverse events prior to using these devices.

U.S. Only: AtriCure Synergy OLL2/OSL2 clamps are approved to ablate cardiac tissue for the treatment of persistent atrial fibrillation (Afib) or longstanding-persistent Afib in patients who are undergoing open concomitant CABG and/or valve replacement or repair. AtriCure Coolrail linear pen, Synergy Access and Synergy EMR2/EML2 clamps are cleared for cardiac tissue ablation. The AtriCure Isolator multifunctional pen and Isolator linear pen are cleared to both diagnose cardiac arrhythmias and ablate cardiac tissue. ACC2 and CryoICE BOX devices, manufactured by AtriCure, are cleared for the treatment of cardiac arrhythmias. The AtriClip LAA Exclusion System is indicated for the occlusion of the left atrial appendage, under direct visualization, in conjunction with other open cardiac surgical procedures. The Fusion Ablation System is intended to ablate cardiac tissue during cardiac surgery using radiofrequency (RF) energy when connected directly to the Estech Electrosurgical Unit (ESU). The Fusion Ablation System may be used for temporary cardiac pacing, sensing, recording, and stimulation during the evaluation of cardiac arrhythmias during surgery when connected to a temporary external pacemaker or recording device.

Europe Only: The AtriCure Bipolar (Transpolar) System is indicated for ablation and coagulation of soft tissue in general, ENT, Thoracic, Urological, Gynaecological surgical procedures and ablation of cardiac tissue during surgery including pulmonary vein isolation and atrial connecting lesions for the Maze procedure for the treatment of cardiac arrhythmias, including atrial fibrillation. The Isolator pen and Isolator Synergy Access are cleared to ablate soft tissue. The Isolator linear pen is cleared to ablate cardiac tissue and temporarily pace, sense, record and stimulate during evaluation of cardiac arrhythmias. ACC2 and CryoICE BOX devices, manufactured by AtriCure, are cleared for the treatment of cardiac arrhythmias. The AtriClip LAA Exclusion System is used for open occlusion of the heart's left atrial appendage. The Cobra Fusion is cleared to ablate cardiac tissue during cardiac surgery using radiofrequency (RF) energy when connected directly to the Estech Electrosurgical Unit (ESU). The system is designed to ablate tissue by the induction of thermal necrosis in the targeted tissue. It is also intended for use in the treatment of cardiac arrhythmias, such as atrial fibrillation, by ablating cardiac tissue involved in the conduction of the arrhythmia. When connected to a temporary external pacemaker or recording device, it is designed to provide transient cardiac pacing, sensing, recording and stimulation for the assessment of electrical isolation/conduction block of ablation lesions in the surgical treatment of arrhythmias. The COBRA Revolution System is cleared for use during general and cardiac surgery to coagulate blood and soft tissues, including striated, cardiac, and smooth muscles. The system is designed to coagulate tissue by the induction of thermal necrosis in the targeted tissue. It is also intended for use in the treatment of cardiac arrhythmias, such as atrial fibrillation, by coagulating cardiac tissue involved in the conduction of the arrhythmia.

Non-European International: AtriCure clamps and Isolator pen are cleared for the ablation of soft tissue. ACC2 and CryoICE BOX devices, manufactured by AtriCure, are cleared for the treatment of cardiac arrhythmias. The AtriClip and RF ablation products are registered in select international countries. See www.atricure.com for more information.

Rx Only.

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