Designed with raised electrodes, AMBIENT temperature feedback, 50 degree tip, and a rigid shaft
COBLATION™ technology

The term COBLATION means “controlled ablation.” To date, over 6 million procedures have been successfully performed utilizing COBLATION technology to ablate and coagulate tissue.

The COBLATION process involves the creation and application of an energy field called “glow discharge plasma.” This plasma ablates tissue through a chemical process as highly energized particles in the plasma break down molecules in the tissue. COBLATION technology provides two distinct advantages to the surgeon:

- COBLATION technology operates at lower temperatures than other radio frequency (RF)-based technologies.
- The 100µm-200µm plasma field allows for precise removal of soft tissue with minimal damage to untargeted tissue.

QUANTUM™ 2 system key proprietary features

Ambient technology
The only arthroscopic system that offers real-time temperature monitoring of the intra-articular fluid.

Controller output
Unique RF output which allows them to deliver the correct amount of power to create plasma. Energy delivery is optimized to provide fast and effective plasma formation while minimizing the dissipation of thermal energy in the joint.

Unique waveform
Unique waveform that delivers fast ablation speed. The waveform has a sharp leading edge that requires less time to generate plasma and therefore allows more time for active ablation.

Scope safety feature
Proprietary circuits that continuously monitor the energy and automatically suspend the output when there is a spike in current, such as when the Wands are in close proximity to or in contact with metal.
AMBIENT° HIPVAC° 50 COBLATION° Wand

The AMBIENT HIPVAC 50 COBLATION Wand provides fast, efficient and precise ablation, as well as resection of soft tissue to meet the demands of the hip arthroscopy surgeon.

**Raised electrodes**
The two raised electrodes allow for efficient soft tissue ablation, resection and coagulation.

**50° tip and rigid shaft**
50 degree angle facilitates access to hip. Rigidity and shaft length have been optimized for extending effective reach to targeted hip anatomy.

**AMBIENT temperature feedback**
The AMBIENT HIPVAC 50 device provides accurate real time temperature monitoring of the intra-articular fluid. The temperature of the fluid is continuously displayed on the LCD screen of the Controller. When the temperature within the joint space exceeds the user selected set point, visual and audible alarms will emit from the Controller, providing direct feedback to the surgeon.
Suggested indications

- Acetabular labrum debridement
- Ligament debridement
- Capsular resection
- Synovectomy

Technical specifications

**AMBIENT™ HIPVAC™ 50 Wand**

<table>
<thead>
<tr>
<th>Specification</th>
<th>Description</th>
</tr>
</thead>
<tbody>
<tr>
<td>Controller</td>
<td>QUANTUM™ 2 COBLATION SYSTEM</td>
</tr>
<tr>
<td>Tip Diameter</td>
<td>4.7MM</td>
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<tr>
<td>Shaft Diameter</td>
<td>4.7MM</td>
</tr>
<tr>
<td>Angle</td>
<td>50°</td>
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<tr>
<td>Colation Settings</td>
<td>7-9</td>
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<tr>
<td>Temperature Accuracy</td>
<td>+/- 3°C</td>
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</table>

The HIPVAC 50 COBLATION Wand is designed for up to 15 minutes of cumulative active ablation time.

Please refer to the Instructions for Use (IFU) packaged with the product for a complete list of warnings, precautions and contraindications.

Ordering information

<table>
<thead>
<tr>
<th>Reference #</th>
<th>Description</th>
</tr>
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<tbody>
<tr>
<td>ASHA4730-01</td>
<td>AMBIENT HIPVAC 50 WAND</td>
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