



Super TurboVac[®] 90

Coblation[®] Wand Portfolio



Designed for:

- Rapid Ablation
- Clear Field of Vision
- Ambient Technology* Feedback

* Available on Ambient Super TurboVac 90 Wand

Coblation Technology

Coblation technology was designed and patented by ArthroCare. The term Coblation means “controlled ablation.” To date, over 6 million procedures have been successfully performed utilizing ArthroCare 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 100mm – 200mm plasma field allows for precise removal of soft tissue with minimal damage to untargeted tissue.

Quantum™ 2 System Key Proprietary Features



Ambient Technology

ArthroCare is the only arthroscopic system that offers real time temperature monitoring of the intra-articular fluid.

Controller Output

ArthroCare Controllers use a 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

ArthroCare Controllers use a 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

ArthroCare Controllers include 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.

Super TurboVac 90 Coblation Wands

The Super TurboVac 90 Coblation Wand family provides bulk tissue debridement for subacromial decompression, ACL/PCL debridement, synovectomy and bursectomy procedures. The Super TurboVac 90 Coblation Wand is available in three varieties.

Description	Catalog Number
Ambient Super TurboVac 90 IFS	ASHA4250-01
Super TurboVac 90 with Integrated Finger Switches (IFS)	ASH4250-01
Super TurboVac 90	ASC4250-01

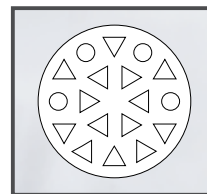


Screen shape and profile provide maximum ablation speed for bulk tissue debridement in the shoulder and knee.

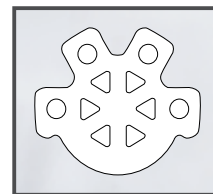
Rapid Ablation

The Super TurboVac 90 has 32% greater electrode surface area than S&N Whirlwind. The larger electrode permits leading edge ablation for more efficient soft tissue removal. The larger screen maximizes the size of the plasma layer resulting in volumetric removal of targeted tissue.

32% Greater Electrode Surface



Super TurboVac 90 screen



S&N Whirlwind screen

Clear Field of Vision

Powerful suction combined with rapid ablation draws wispy tissue to the active electrodes preventing clogging and improving visibility.

Ambient Technology

The Ambient Super TurboVac 90 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.



Multiple suction ports for clear field of vision

Suggested Indications

- Subacromial Decompression
- ACL/PCL Debridement
- Synovectomy
- Bursectomy

Technical Specifications

	Ambient Super TurboVac 90 IFS	Super TurboVac 90 IFS	Super TurboVac 90
Catalog Number	ASHA4250-01	ASH4250-01	ASC4250-01
Controller	Quantum 2 System ONLY	Quantum and Quantum 2 System	Atlas® and Quantum Systems
Recommended Coblation Settings	7-9	7-9	7-9
Tip Diameter	5.25mm	5.25mm	5.25mm
Shaft Diameter	3.75mm	3.75mm	3.75mm
Temperature Accuracy	+/- 3° C	n/a	n/a

To order and for more information, please contact your ArthroCare Sports Medicine representative or Customer Service at **800.797.6520**.

Please refer to the Instructions for Use (IFU) packaged with the product for a complete list of Warnings, Precautions and Contraindications.



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