



Medtronic

2.3 Bipolar Sealer

The Aquamantys® 2.3 Bipolar Sealer uses proprietary Transcollation® technology to provide hemostatic sealing of soft tissue and bone during surgery. It has been clinically shown to reduce blood transfusion rates by minimizing intra-operative blood loss.¹⁻⁴

Product Features and Benefits

- Dual electrode configuration enables painting motion to provide hemostatic sealing across broad planes of tissue
- 2.3 mm electrode size delivers more precise application of Transcollation technology
- Bipolar technology alleviates need for grounding pad

Clinical Benefits

- May help improve visibility in the surgical field⁴⁻⁶
- Decreases surgical time and blood loss per level fused^{4,6,7}
- Reduces transfusion rates by minimizing intra-operative blood loss^{2,4}

Surgical Applications

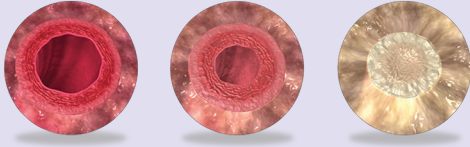
- Spine surgery
- Hip replacement procedures
- Knee replacement procedures
- Surgical oncology



2.3 BIPOLAR SEALER

Transcollation® Technology

Transcollation technology combines radiofrequency (RF) energy and saline for hemostatic sealing of soft tissue and bone at the surgical site. Vessels up to 1 mm may be occluded, reducing bleeding.



Aquamantys® System

The Aquamantys System delivers Transcollation technology through a proprietary RF generator and a single-use disposable bipolar sealer.



Ordering Information

Description

Catalog Number

Aquamantys 2.3 Bipolar Sealer.....	23-113-1
Aquamantys Pump Generator.....	40-402-1

References

1. Marulanda GA, Ulrich SD, et al. Reductions in blood loss with a bipolar sealer in total hip arthroplasty. *Expert Rev Med Devices* 2008; 5:125-131.
2. Performance has not been specifically established in all procedures.
3. Marulanda GA, Krebs VE, et al. Hemostasis using a bipolar sealer in primary unilateral total knee arthroplasty. *American Journal of Orthopedics*, 2009; 38(12):E179-183.
4. Mankin KP, Moore CA, Miller LE, Block JE. Hemostasis with a bipolar sealer during surgical correction of adolescent idiopathic scoliosis. E-published in *Journal of Spinal Disorders & Techniques*, October 2011. doi:10.1097/BSD.0b013e3182334ec5.
5. Santiago, P. Controlling Epidural Bleeding and Improving Visibility During Spinal Surgery with a Novel Bipolar Sealing Technology: A Case Report. 2007, Medtronic White Paper.
6. Snyder BD, Hedequist DJ, Shannon EG. Hemostatic efficacy of bipolar wound sealer as adjunct to wound management in children with neuromuscular scoliosis (abstract). Annual Meeting of the Pediatric Orthopaedic Society of North America, 2007.
7. Small HN, Chisholm SD. Use of a New Bipolar Sealing Technology to Reduce Blood Loss During Instrumented Lumbar Fusion Surgery. 2009, Medtronic White Paper.

Caution: Federal Law (USA) restricts these devices to sale by or on the order of a physician. For a listing of indications, contraindications, precautions, and warnings, please refer to the Instructions For Use (IFU) that accompany Aquamantys disposable devices and/or the Aquamantys System User Guide.

For further information, please call 866-777-9400.

You may also consult our website:

www.medtronic.com/advancedenergy

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