

SmartPump[®]

Tourniquet System



Keeping pressure in check

We know that best practices for surgical tourniquets require a precise balance between providing a bloodless field and protecting patient wellbeing, including delicate tissues. That's why our experts designed our high performance SmartPump Tourniquet System to be reliable and intuitive, complete with multiple built-in safety checks.

- EvenAIRe Technology™ Stiffeners in the corresponding Color Cuff Tourniquet helps achieve occlusion at the lowest effective pressure setting, potentially reducing complications associated with higher pressure levels¹⁻⁴
- Limb occlusion pressure (LOP) is determined by you, not based on time-delayed pre-op readings
- Three-second self calibration upon start up automatically detects any issues with the pump, cuff or inflow/outflow line
- Provides comprehensive documentation of peri-op data

Internal fail-safe mechanism prevents deflation upon power loss; user must manually disconnect fill line to deflate cuff

Independent control of each cuff's pressure and inflation time settings

Real time peri-op monitoring and regulation of fill line inflow/outflow, with alerts for any variances

Secure tubing connections, with snap or twist connect mechanisms



Visual and audible user prompts and alerts

Supports single cuff, IVRA/ Bier block and bilateral procedures or simultaneous surgery on both upper and lower extremities

3-Step IVRA lock protection (for IVRA/Bier block, elbow or similar scenarios). When one line is deflated, the second bladder will not deflate unless acted on by user.

Five-hour battery backup in case of power loss or intentional mobile use

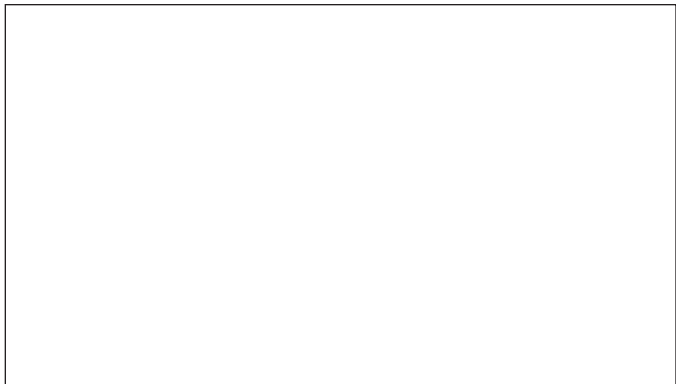
**Color Cuff®
Tourniquet with
EvenAIRe Technology
Stiffeners**

Compared to the competing cuff, the Color Cuff Tourniquet delivered more consistent pressure distribution across the cuff's entire surface achieving the same 190 lb compression at a pump pressure 45 units lower¹



Optional report printer

- Generates 2"x 3" adhesive label for inclusion in chart per AST recommendations⁵
- Summarizes total elapsed cuff time, cuff pressure, inflations, deflations and pressure adjustments with corresponding time stamps



SmartPump Dual Channel Pump

5920-011-000 SmartPump Dual Channel Pump includes 10" power cord, user guide, quick-reference guide

5920-013-000 Rolling stand includes stand, support pole, basket for Color Cuff Tourniquet

SmartPump System Printer and Supplies

5920-012-000 SmartPump System Printer includes serial cable, power cord, printer tray, power organizer, 1 set of label rolls, user guide

5920-012-050 Printer labels 500/roll

For more information about the SmartPump Tourniquet System or Color Cuff Tourniquets or to place an order, please call your Surgical sales representative, customer service at 800 253 3210 or visit www.stryker.com/surgical

Product specifications are subject to change without notice.

Warranty Statement and Technical Product Specifications available upon request.

The information presented is intended to demonstrate the breadth of Stryker product offerings. A clinician must always rely on his or her own professional clinical judgment when deciding whether to use a particular product when treating a particular patient. Stryker does not dispense medical advice and recommends that surgeons be trained in the use of any particular product before using it in surgery. A clinician must always refer to the package insert, product label and/or instructions for use before using any Stryker product.

1. Stryker Instruments, Kalamazoo, MI. "Compression Performance of the Stryker Color Cuff Tourniquet: A Comparative Study." (Feb. 2014).
2. Clarke M.T., et al. "Tourniquet-induced wound hypoxia after total knee replacement." *Journal Bone Joint Surg Br.* 83:1 (2001): 40-4.
3. Noordin S., et al. "Surgical Tourniquets in Orthopedics." *Journal Bone Joint Surg Am.* 91:12 (2009): 2958-67
4. Olivecrona, Charlotta, et al. "Lower Tourniquet Cuff Pressure Reduces Postoperative Wound Complications after Total Knee Arthroplasty: A randomized controlled study of 164 patients." *Journal Bone Joint Surg Am.* 94:22 (2012): 16-21.
5. Association of Surgical Technologists (AST). "Standards of Practice for Safe Use of Pneumatic Tourniquets." (Apr. 13, 2007).

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