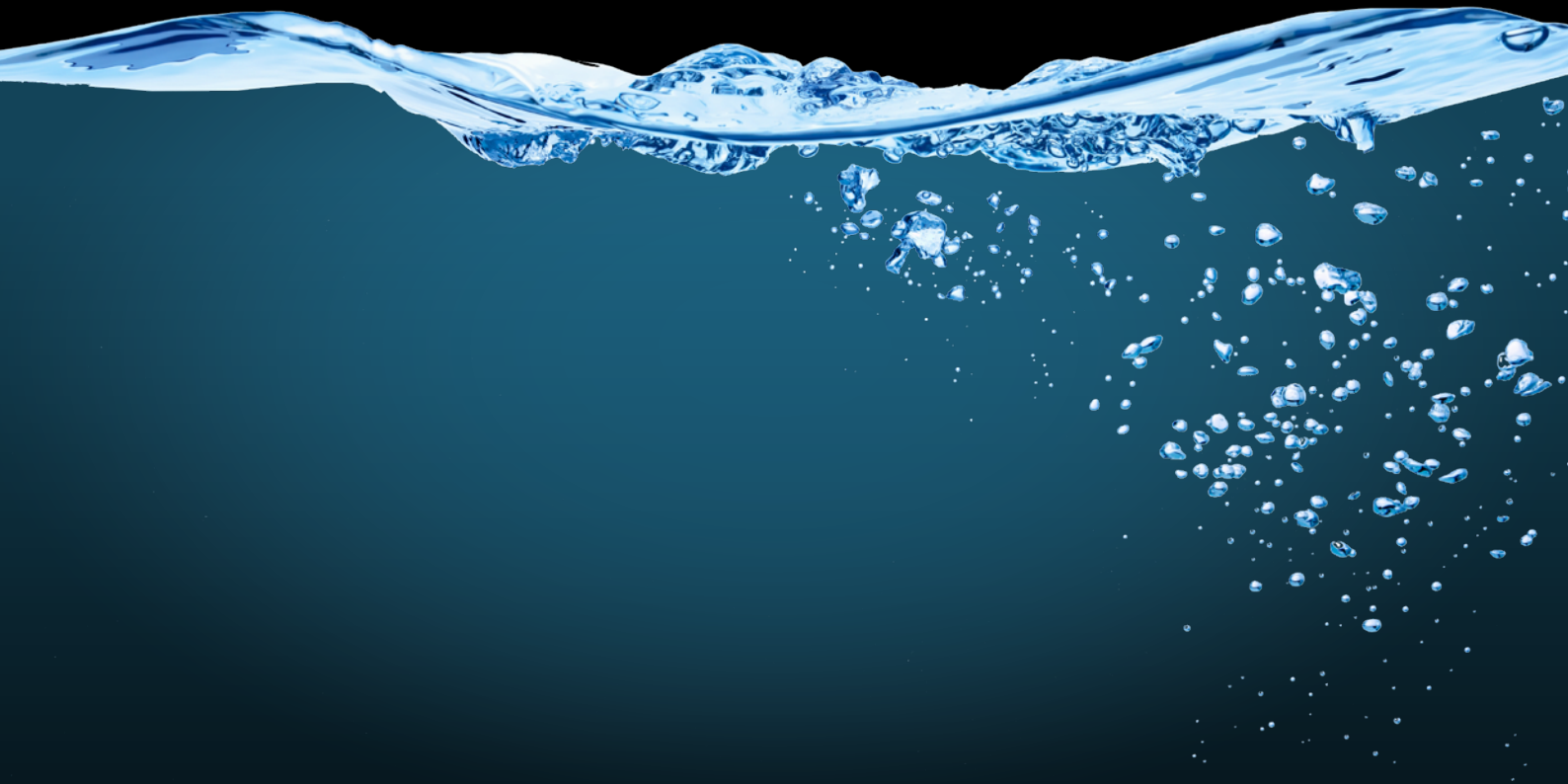


# Fluid Management



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## Helping Surgeons Treat Their Patients Better™

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Since its inception, Arthrex has been committed to one mission: Helping Surgeons Treat Their Patients Better. We are strategically focused on constant product innovation through scientific research, surgeon collaboration, and medical education to make less invasive surgical procedures simple, safer, and more reproducible. Each year, we develop more than 1,000 new innovative products and procedures to advance minimally invasive orthopedics worldwide.

Arthrex has always remained a privately held company, which allows for the rapid evaluation of new technologies and ideas and the freedom to develop products and techniques that truly make a difference. Our experienced team of dedicated professionals represents a shared passion and commitment to delivering uncompromising quality to the health care providers who use our products and the millions of patients whose lives we impact.

The medical significance of our contributions serves as our primary benchmark of success and will continue into the future as the legacy of Arthrex.

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# Arthroscopy Pumps

## DualWave™ Arthroscopy Pump



The DualWave is an integrated inflow and outflow fluid management system that may also be used as a simple inflow-only arthroscopy pump. The DualWave can solve any fluid management need, whether it is controlling distention during complex arthroscopic procedures or helping a facility with a desire to increase cost containment capabilities.

Clear, consistent, turbulence-free visualization is achieved with the DualWave through Arthroscopy Pump's latest proprietary design, which precisely and independently controls the shaver or cannula outflow to maintain joint distention and clarity.

The touch panel video display gives real-time pressure and flow readings and allows the user to track the total fluid used during a case and the total operating time at the end of a procedure. User-programmable defaults encompass pressure presets (by joint space), outflow rate, and shaver suction levels, giving the surgeon a consistent, repeatable operating experience.

Flexibility is key, with touch panel access and the choice of a foot pedal or an autoclavable remote control that allows the user to control the DualWave from the sterile field. The RINSE and LAVAGE modes allow the user to control all aspects of fluid management at the touch of a button. The LAVAGE mode provides a timed cycle of increased pressure to help maintain proper visualization and the RINSE mode increases the fluid passing through the joint space, without affecting the pressure. When operating in inflow-only or inflow and outflow mode, the SHAVERBOOST mode automatically compensates for the loss of distention that can occur when shaver suction is introduced into the joint space by increasing the pressure while the shaver is active.

To help control costs, the DualWave arthroscopy pump can be used with the Arthroscopy Pump 2-piece tubing option to lower the tubing and fluid cost per patient, while reducing room turnover times.

Product Description	Item Number
DualWave™ arthroscopy pump	AR-6480

## Continuous Wave™ 4 Arthroscopy Pump



The Continuous Wave 4, now with a Synergy heads-up display and direct communication with the Synergy resection system, is a fully integrated inflow-only arthroscopy pump.

Clear, consistent, turbulence-free visualization is achieved through Arthrex's latest proprietary design, which precisely maintains optimal joint distention and clarity.


The touch-panel video display gives real-time pressure and flow readings, and displays the total fluid used during a case, as well as the total run time at the end of a procedure. Flexibility is key, with touch-panel access and the choice of a foot pedal or autoclavable remote control device that allows the user the ability to control the Continuous Wave 4 from the sterile field.

User-selected defaults encompass pressure settings (by joint space), flow rate, and shaver boost levels. The LAVAGE mode allows the user to control pressure at the touch of a button. The addition of shaver detection provides an optional boost of pressure when the shaver is activated.


Product Description	Item Number
Continuous Wave™ 4 arthroscopy pump	AR-6485

## Tubing for Continuous Wave™ and DualWave™ Pump



### Main Pump Inflow Tubing

	Product Description and Note	Item Number
	<p><b>Main pump tubing for DualWave™ and Continuous Wave™ pumps, sterile, qty. 10</b></p> <p>This tubing set is for those who prefer a complete tubing set and want to replace the fluid bags after each case. Each tubing set comes with an independently packaged press-fit Luer lock to allow for tubing length adjustment if used in conjunction with the extension tubing. If used alone, the set must be discarded after each case.</p>	<p>AR-6415 AR-6415CL*</p>

### Extension Inflow Tubing


	Product Description and Note	Item Number
	<p><b>Extension tubing, sterile, qty. 20</b></p> <p>This tubing provides an economical option to reduce tubing costs by allowing the main pump tubing to remain in use for the entire surgical day. The exclusive backflow valve prevents contaminated fluid from reaching the main pump tubing. The main pump tubing and fluid bags no longer need to be discarded after each surgical case.</p>	<p>AR-6220</p>

### 2-Piece Pump Inflow Tubing System




	Product Description and Note	Item Number
	<p><b>2-piece pump tubing with connector for DualWave™ and Continuous Wave™ pumps, sterile, qty. 10</b></p> <p>The 2-piece pump tubing maintains sterility due to the design of the patient-side tubing and the touch-proof connector. Leaving the pump-side tubing in place the entire day saves on fluid by not requiring the remaining fluid to be discarded after terminating each surgical case.</p>	<p>AR-6420 AR-6420CL*</p>
	<p><b>2-piece patient tubing, sterile, qty. 20</b></p> <p>The 2-piece patient tubing set contains a backflow restrictor, saving tubing costs and setup time by only requiring patient tubing to be discarded and passed off from the sterile field after each case.</p>	<p>AR-6425</p>

\* with Care-Lock connector


### Outflow Tubing for DualWave™ Pump

	Product Description and Note	Item Number
	<p><b>Outflow tubing for DualWave™ pump, qty. 10</b></p> <p>The DualWave outflow tubing allows the DualWave arthroscopy pump to regulate both inflow and outflow in the joint space.</p>	<p>AR-6430</p>



## Accessories

	Product Description and Note	Item Number
	<b>Waste collection bag, qty. 10</b> The waste collection bag can be hung from the AR-6481 pump cart and can hold up to 10 liters of waste fluid. At the end of a surgical case, simply seal the bag and dispose.	AR-6431
	<b>Y-tubing adapter, double spike, sterile, 2 per set, qty. 10</b> The optional Y-tubing adapter allows 4 fluid bags to be connected to either the main pump tubing or the 2-piece pump tubing, resulting in fewer fluid bag changes.	AR-6215
 AR-6412      AR-6414	<b>Arthroscopic gravity tubing</b> Arthroscopic gravity tubing is compatible with all arthroscopic sheaths and cannulas and is able to maintain proper distention even in complicated surgical cases that demand high flow.  2 versions: 2- and 4-spike	AR-6412 AR-6414


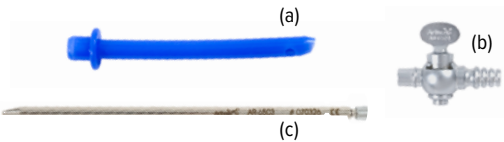
## Autoclavable Remotes

	Product Description and Note	Item Number
	<b>DualWave™ autoclavable remote</b> The autoclavable DualWave remote control provides finger-touch access to pressure adjustment, LAVAGE and RINSE modes, shaver suction levels, and the RUN / STOP button.	AR-6482

## Footswitches

	Product Description and Note	Item Number
	<b>DualWave™ footswitch</b> The DualWave footswitch allows the user to control both pressure and flow levels with the LAVAGE and RINSE pedals.	AR-6483
	<b>Footswitch, for shaver and pump</b>	AR-8310SP

## Cannulas

	Product Description and Note	Item Number
	<b>Cannula, flexible, 2.5 mm × 103 mm, with obturator</b>	AR-3420.2.5
 (a) (b) (c) (d)	<b>Cannula, flexible, 4.5 mm × 75 mm (a)</b> <b>Valve, for cannula (b)</b> <b>Trocar, for cannula</b> <b>Obturator, for cannula (c)</b>	AR-6525 AR-6501 AR-6502 AR-6503

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# Pump Cart

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The DualWave arthroscopy pump cart provides easy installation of the DualWave or the Continuous Wave pumps at their proper heights during surgery. The mobile cart can be configured for storage of fluid bags, shaver blades and/or foot pedals for easy rotation between operating rooms.

Product Description	Item Number
DualWave™ cart	AR-6481



# Anti-Fatigue Mats

## The EcoSuctioner®



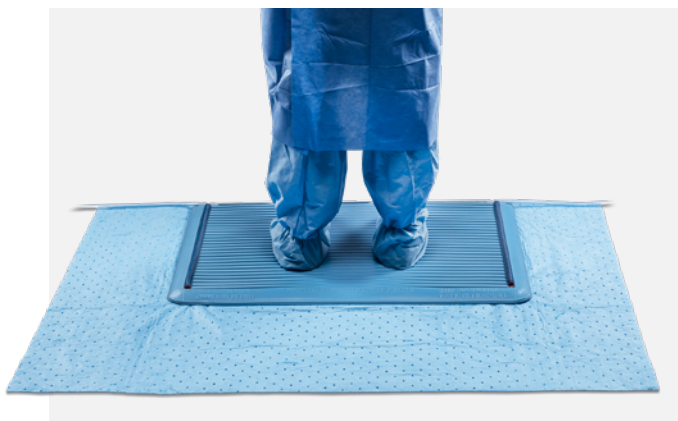
- All-in-one ergonomic suction mat allowing 2 people to stand comfortably during a procedure
- Designed with directional grooves for improved quiet and continual suction, and attaches to any suction source
- Comes with a large rugged absorbent mat underneath for improved non-slip in the OR
- Lightweight suction mat, for quick and easy setup and removal
- Reduced need for laundry on the floor

## The SuctionBlu™ Mat



- Incorporates continuous, powerful, and quiet suction capability along with exceptional anti-fatigue properties and a super-absorbent mat
- Easily attaches to any operating room suction source in seconds using standard suction tubing, and will ensure a drier, safer, and cleaner surgical experience
- With standing room for 2 people to enjoy the very generous comfort surface area, The SuctionBlu provides continuous, effective suction underfoot and is the future of efficient and cost-effective OR fluid management

## The Suctioner®

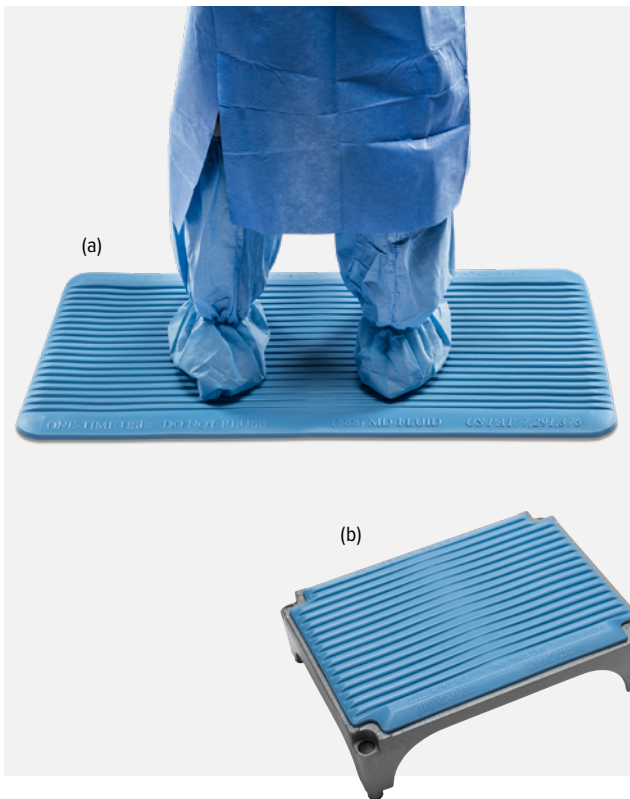


- Combines the absorbency of the poly-backed Dri-Safe pad and the nonslip, anti-fatigue memory-foam construction of The Surgical Mat with powerful, quiet, continuous suction capability
- Designed with graduated slots to move fluid towards lateral suction tubes
- It easily attaches to any OR vacuum source in seconds and efficiently manages unwanted fluids, keeping them off the OR floor
- The anti-microbial properties of The Suctioner can also aid in reducing the risk of cross contamination

Product Description	Size of Surgical Mat	Total Size With Dri-Safe	Item Number
The EcoSuctioner®, green, qty. 8	71 cm × 101 cm	91 cm × 142 cm	<b>USA-XG8</b>
The SuctionBlu™, blue, qty. 8	64 cm × 95 cm	91 cm × 142 cm	<b>USA-XBL</b>
The Suctioner®, blue, qty. 8	58 cm × 89 cm	91 cm × 142 cm	<b>USA-X10</b>

\* The Suctioner, Dri-Safe, The Surgical Mat, and The EcoSuctioner are trademarks of Flagship Surgical, LLC.

## Surgical Mats



- Constructed of a resilient memory foam material, which gives relief and support when standing on hard concrete floors and steel step stools
- The mats incorporate a nonslip, molded foam design with custom, tapered fluid channels
- These channels aid in keeping the surgical team's feet dry and reduce the risk of tracking body fluids throughout the OR

Product Description	Item Number
The Surgical Mat™, blue, 51 cm × 99 cm, qty. 10 <b>(a)</b>	USA-010
The Mini Mat®, blue, 33 cm × 43 cm, qty. 10 <b>(b)</b>	USA-A10

# Safe, Economical, and Efficient Fluid Management

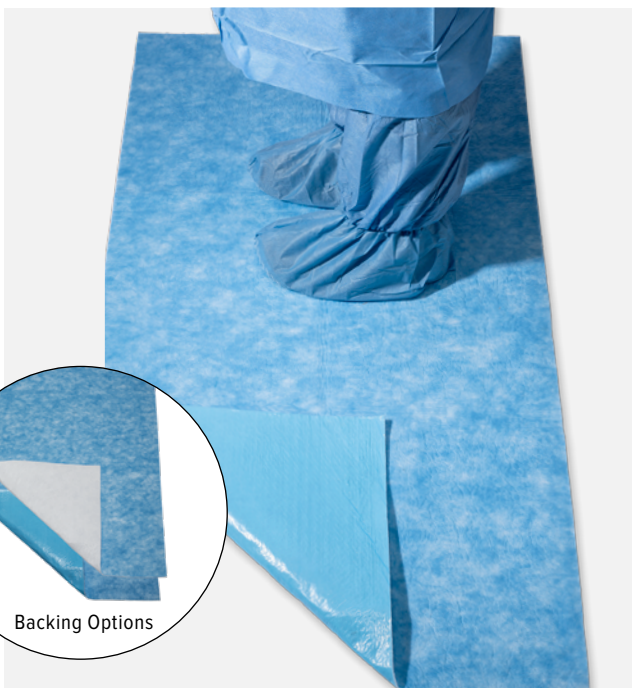
## EcoDri-Safe™ Absorbent Rolls



- Easily contain fluids and streamline OR cleanup procedures with the EcoDri-Safe absorbent rolls
- Perforated every 51 cm to create 60 easy-to-tear-off 51 cm × 71 cm floor mats on every roll
- EcoDri-Safe mats with a non-slip backing may reduce slip-and-fall hazards by staying firmly in place throughout an entire surgical procedure while still absorbing any fluids that come into contact with the top of the mat
- Any excess fluids can be absorbed with the standard EcoDri-Safe mats that are provided without the impermeable non-slip backing, which allows them to absorb fluids from both the top and bottom surfaces

Product Description	Item Number
EcoDri-Safe™, non-poly-backed, roll size 71 cm × 30 m, sheet size 51 cm × 71 cm, qty. 60 sheets per roll	USA-ECO100
EcoDri-Safe™, poly-backed, roll size 71 cm × 30 m, sheet size 51 cm × 71 cm, qty. 60 sheets per roll	USA-ECO100PLY
EcoDri-Safe™, dispensing cart	USA-ECODISP

## Dri-Safe® Absorbent Pads

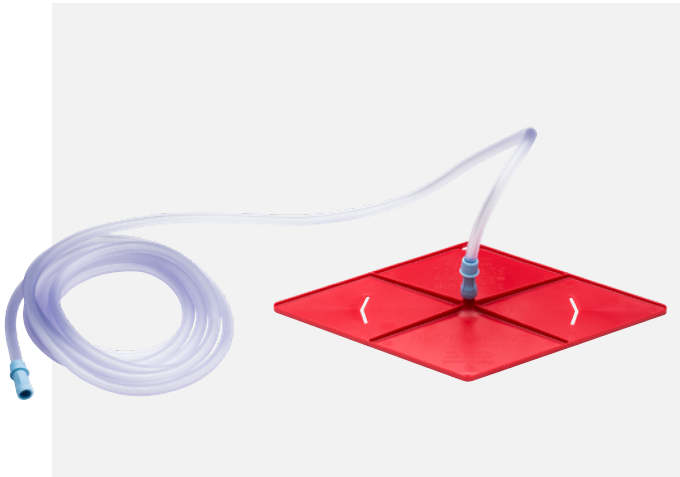


- Super-absorbent, economical, disposable floor pads that eliminate expensive laundry costs
- Use wherever fluids build up, including OR floors, in front of scrub sinks, lab station floors, etc
- Dri-Safe pads help prevent slips and falls, as well as the transmission of harmful contaminants to healthcare providers
- Impermeable poly backing option promotes safety and keeps the pads firmly in place. Fluids are locked in.

Product Description	Item Number
Dri-Safe® absorbent pad, blue, 71 cm × 102 cm, qty. 20	USA-B28X40
Dri-Safe® absorbent pad, with poly backing, blue, 71 cm × 102 cm, qty. 20	USA-B28X40PLY
Dri-Safe® absorbent pad, blue, 71 cm × 142 cm, qty. 15	USA-B28X56
Dri-Safe® absorbent pad, with poly backing, blue, 71 cm × 142 cm, qty. 15	USA-B28X56PLY

\* EcoDri-Safe and Dri-Safe are trademarks of Flagship Surgical, LLC

## Fluid Diamond®



- Fast, effective fluid collection
- Powerful suction keeps floors dry and reduces the potential for slipping or falling
- Eliminates the need for slippery, costly towels and blankets on the OR floor to absorb fluids
- Designed with quieting pad and anti-floor-sticking technology
- Attaches to any surgical suction source
- Includes suction tubing for easy attachment to any suction source

Product Description	Item Number
Fluid Diamond®, qty. 30	USA-FDX

\* Fluid Diamond is a trademark of Flagship Surgical, LLC.



This description of technique is provided as an educational tool and clinical aid to assist properly licensed medical professionals in the usage of specific Arthrex products. As part of this professional usage, the medical professional must use their professional judgment in making any final determinations in product usage and technique. In doing so, the medical professional should rely on their own training and experience, and should conduct a thorough review of pertinent medical literature and the product's directions for use. Postoperative management is patient-specific and dependent on the treating professional's assessment. Individual results will vary and not all patients will experience the same postoperative activity level and/or outcomes.

View U.S. patent information at [www.arthrex.com/corporate/virtual-patent-marking](http://www.arthrex.com/corporate/virtual-patent-marking)

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