

# Fluid Management Solutions



**Arthrex**® 

## DualWave™ Arthroscopy Pump



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

Clear, consistent, turbulent-free visualization is achieved with the DualWave arthroscopy pump through a proprietary design, which independently controls the shaver or cannula outflow to maintain optimal 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 touchscreen access and the choice of a foot pedal or an autoclavable remote control that allows the user to control the DualWave arthroscopy pump 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 shaver boost function 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 use Arthrex's two-piece tubing option to dramatically 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 and Accessories



Arthrex offers a clear vision of the future with the Continuous Wave 4 arthroscopy pump. The Continuous Wave 4 pump, now with a Synergy heads-up display and direct communication with the system, is a fully integrated inflow-only arthroscopy pump.

Clear, consistent, turbulent-free visualization is achieved through Arthrex's latest proprietary design, which 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 touchscreen access and the choice of a foot pedal or autoclavable remote control device that allows the user to control the Continuous Wave 4 arthroscopy pump 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

## Inflow Pump Tubing and Outflow Pump Tubing

### Main Pump Inflow Tubing



This 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.

Product Description	Item Number
Main Pump Tubing for AR-6480 or AR-6485, 16 ft long, sterile, qty. 10	AR-6410

### Extension Inflow Tubing



This unique 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.

Product Description	Item Number
Extension Tubing, 8 ft long, sterile, qty. 20	AR-6220

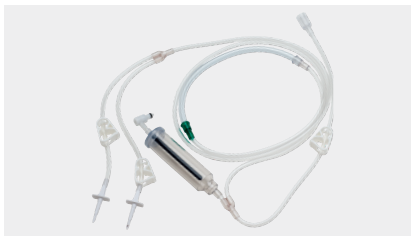
### DualWave™ Pump Tubing



DualWave outflow tubing allows the DualWave arthroscopy pump to regulate both inflow and outflow in the joint space. By controlling both aspects, distention is maintained at the highest level, resulting in maximum visualization.

Product Description	Item Number
DualWave Outflow Tubing for AR-6480, qty. 10	AR-6430

### ReDeuce™ Two-Piece Pump Inflow Tubing System



The two-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.

Product Description	Item Number
ReDeuce Two-Piece Pump Tubing w/ Connector for AR-6480 or AR-6485, 8 ft long, sterile, qty. 10	AR-6411



The two-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 and before each case.

Product Description	Item Number
ReDeuce Two-Piece Patient Tubing, sterile, 8 ft long, qty. 20	AR-6421

**Inflow/Outflow Tubing Set**



The combination set comes with both AR-6410 and AR-6430 packaged together. This simplifies preparation by reducing the number of items needed in the OR to set up the DualWave™ pump. Reducing the number of tubing packages also reduces ordering and simplifies inventory tracking. The combination set provides a direct price reduction associated with the reduced packaging materials.

Product Description	Item Number
DualWave Inflow/Outflow Tube System for AR-6480, qty. 8	<b>AR-6436</b>



The combination set comes with both AR-6421 and AR-6430. This simplifies preparation by reducing the number of items needed in the OR to set up the DualWave pump. Fewer tubing packages reduces ordering and simplifies inventory tracking, providing a direct price reduction.

Product Description	Item Number
DualWave Two-Piece Pump Tubing w/ Connector for AR-6480, qty. 10	<b>AR-6435</b>

**Gravity Tubing**

Arthrex Gravity Tubing is compatible with all arthroscopic sheaths and cannulas and able to maintain proper distention even in complicated surgical cases that demand high flow.



**2-Spike**



**4-Spike**

Product Description	Item Number
2-spike Tubing	<b>AR-6412</b>
4-spike Tubing	<b>AR-6414</b>

## Pump Accessories

### Waste Collection Bag



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.

Product Description	Item Number
Waste Collection Bag, qty. 10	AR-6431

### Y-Tubing Adapter



The optional Y-tubing adapter allows four fluid bags to be connected to either the main pump tubing or the two-piece pump tubing, resulting in fewer fluid bag changes.

Product Description	Item Number
Y-tubing Adapter, double spike, 2 per set, sterile, qty. 10	AR-6215

### Autoclavable Remotes



The autoclavable DualWave™ remote control provides finger-touch access to pressure adjustment, lavage and rinse modes, shaver suction levels, and the run/stop button.

Product Description	Item Number
DualWave Autoclavable Remote	AR-6482

### Footswitch



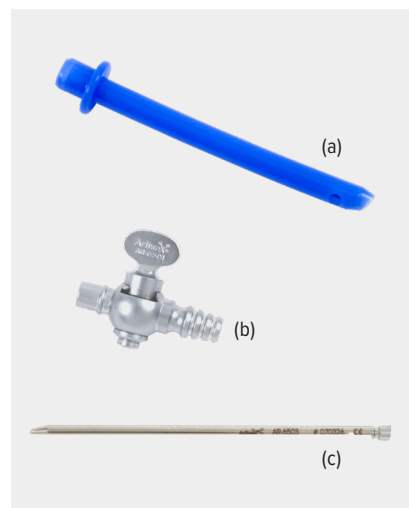
The DualWave footswitch allows the user to control both pressure and flow levels with the lavage and rinse pedals.

Product Description	Item Number
DualWave Footswitch	AR-6483

### Cannulas and Parts



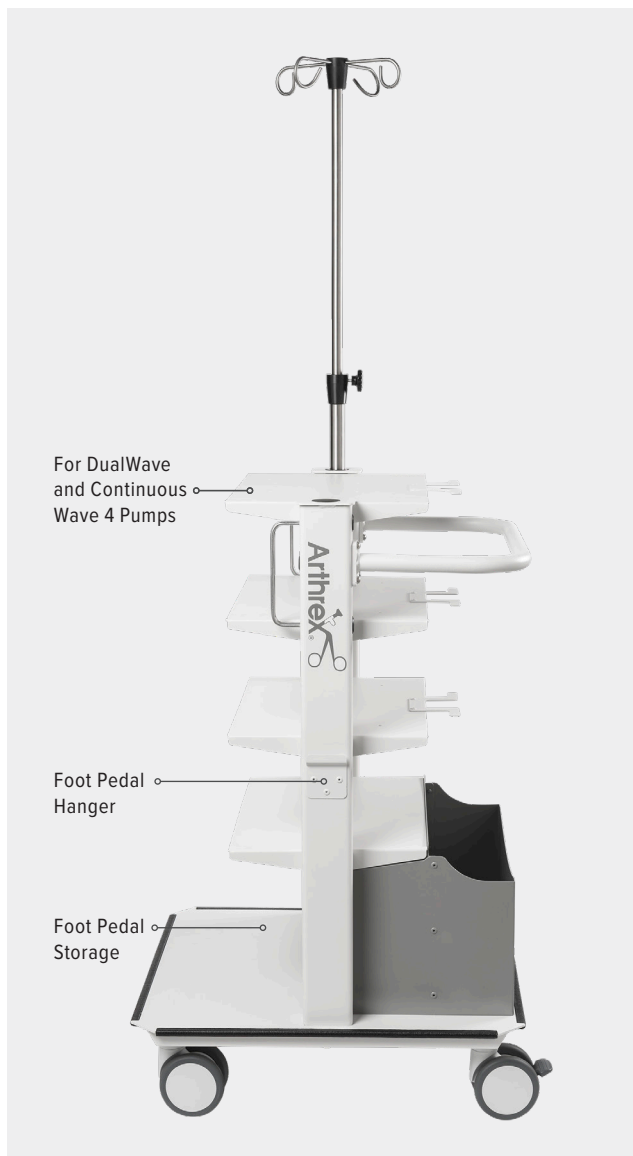
Product Description	Item Number
Flexible Cannula, 2.5 mm × 103 mm with obturator	AR-3420.2.5



Product Description	Item Number
Flexible Cannula, 4.5 mm × 75 mm (a)	AR-6525
Valve for Cannula (b)	AR-6501
Trocar for Cannula	AR-6502
Obturator for Cannula (c)	AR-6503

## Pump Accessories: Cart

### DualWave™ Cart



The DualWave arthroscopy pump cart provides easy installation of the DualWave or the Continuous Wave 4 pump at the proper height for 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

### Continuous Wave™ 4 Cart



The Continuous Wave 4 pump cart provides easy installation at the proper height for surgery. The mobile cart features four saline bag hooks, pump stand, and storage basket.

Product Description	Item Number
Continuous Wave 4 Pump Cart	AR-6485PC

**The Suctioner®\* Surgical Suction Mat**



This disposable surgical mat 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, and continuous suction capability. These features are designed to support a drier, safer, and cleaner operating room. The Suctioner mat has graduated slots to move fluid toward 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 antimicrobial properties of The Suctioner mat can also aid in reducing the risk of cross-contamination. This latex-free surgical mat is ideal for all surgical procedures.

Product Description	Item Number
The Suctioner Surgical Mat, 22 in × 35 in (comfort mat), 42 in × 56 in (total), blue, qty. 8	USA-X10

**The EcoSuctioner®\* Surgical Suction Mat**



- All-in-one ergonomic suction mat that allows two people to stand comfortably during a procedure
- Designed with directional grooves for improved quiet, continual suction; it attaches to any suction source
- Comes with a large rugged absorbent mat underneath for improved traction in the OR
- Lightweight suction mat, weighing only 0.79 kg, for quick and easy set up and removal
- Reduced need for laundry on the floor

Product Description	Item Number
The EcoSuctioner Surgical Mat, 28 in × 40 in (comfort mat), 42 in × 56 in (total), green, qty. 8	USA-XG8

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



**The SuctionBlu™\* Surgical Suction Mat**



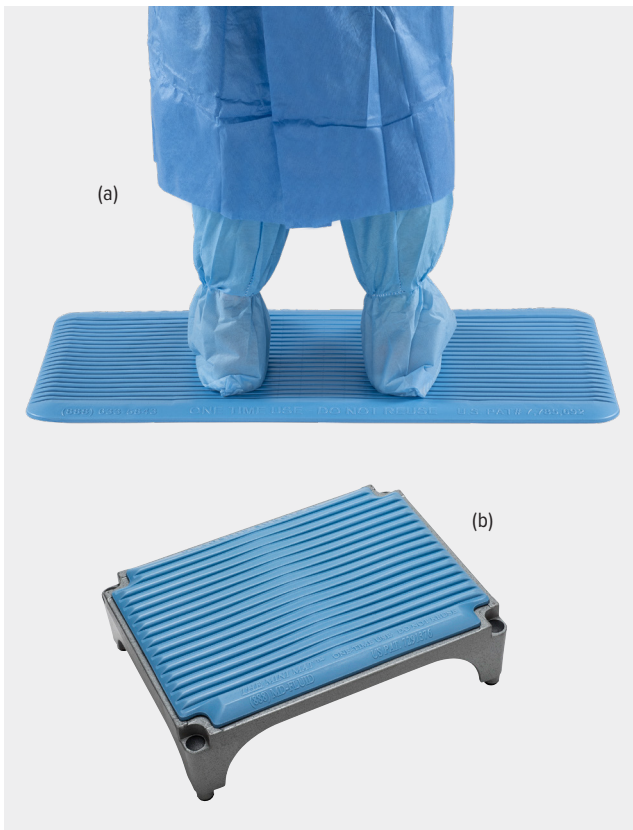
The SuctionBlu disposable surgical mat combines the absorbency of the poly-backed Dri-Safe® pad and the nonslip, anti-fatigue memory foam construction of The EcoSuctioner® mat with powerful, quiet, continuous suction capability. These features are designed to support a drier, safer, and cleaner operating room.

The graduated slots on The SuctionBlu mat use gravity to direct fluids toward the suction tube. The SuctionBlu mat easily attaches to any operating room vacuum source in seconds and efficiently manages unwanted fluids, keeping them off of the OR floor.

The SuctionBlu mat is a smaller, more economical version of The EcoSuctioner mat, but it is larger than The Suctioner® mat.

Product Description	Item Number
The SuctionBlu Surgical Mat, 42 in × 56 in, blue	USA-XBL

**The Surgical Mat™\* and The Mini Mat®\* Surgical Mats**



The Surgical Mat and The Mini Mat surgical mats were designed to address three OR issues: comfort, safety, and fluid buildup. Both mats are constructed of a resilient memory foam material that gives the surgeon, nurse, and surgical technician 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. The Surgical Mat and The Mini Mat surgical mats are latex-free and are ideal for all surgical procedures.

Product Description	Item Number
The Surgical Mat Surgical Mat, 20 in × 39 in, blue, qty. 10 (a)	USA-010
The Mini Mat Surgical Mat, 13 in × 17 in, blue, qty. 10 (b)	USA-A10

\*The SuctionBlu, The Surgical Mat, and The Mini Mat are trademarks of Flagship Surgical, LLC.

**EcoDri-Safe™\* Absorbent Rolls**



Containing fluids and streamlining clean-up procedures has never been easier than it is with the EcoDri-Safe absorbent rolls. The 28 in × 100 ft rolls are perforated every 20 inches to create 60 easy-to-tear-off 20 in × 28 in floor mats on every roll.

**EcoDri-Safe absorbent rolls are ideal wherever fluid containment can be an issue:**

- Operating rooms
- Scrub sinks
- Laboratory stations
- Central processing
- Emergency rooms
- Procedure rooms
- Labor and delivery wards

Product Description	Item Number
EcoDri-Safe Non-Poly-Backed, 100 ft × 28 in, 20 in × 28 in, 60 sheets per roll	USA-ECO100
EcoDri-Safe Poly-Backed, 100 ft × 28 in, 20 in × 28 in, 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.
- Help prevent slips and falls as well as the transmission of harmful contaminants to health care providers
- Impermeable poly-backing option promotes safety by keeping the pads firmly in place and locking in fluids

Product Description	Item Number
Dri-Safe Absorbent Pad, 28 in × 40 in, blue, qty. 20	USA-B28X40
Dri-Safe Absorbent Pad, 28 in × 40 in, blue, poly-backing, qty. 20	USA-B28X40PLY
Dri-Safe Absorbent Pad, 28 in × 56 in, blue, qty. 15	USA-B28X56
Dri-Safe Absorbent Pad, 28 in × 56 in, blue, poly-backing, qty. 15	USA-B28X56PLY

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

**Fluid Diamond®\* Floor Aspirator**



- Fast, effective fluid collection
- Powerful suction action 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 Floor Aspirator, 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 or outcomes.

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