AMXDmax
In-Flight Bladder Relief

SPECIFICATIONS
- Up to 20 flights per Cup
  - Flexible urethane
  - Soft foam for comfort
  - Fits like athletic cup

SPECIFICATIONS
- Up to 5 flights per Pad
  - Inflatable urethane Pad
  - Soft, non-woven fabric
  - Fits like sanitary pad


AMXDmax
ADVANCED MISSION EXTENDER DEVICE
Aircrew Wearable

The cup or pad are worn discretely beneath any ensemble. The bag and control unit can be operated in any location and orientation. When not in use, the control unit and bag can be easily stored in a pocket.

**SPECIFICATIONS**
- Up to 20 flights per Cup
- Flexible urethane
- Soft, non-woven fabric
- Fits like an athletic cup

**Fully Automatic**
The system is fully automatic and provides hands-free operation. Sensors in the cup or pad detect the presence of urine and activates the control unit, pumping liquid away from the skin and into the collection bag.

**Aircrew Wearable**
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- Up to 5 flights per Pad
- Inflatable urethane Pad
- Soft, non-woven fabric
- Fits like a sanitary pad

**Self-Contained**
Optionally, flight suits, immersion suits and CBRN ensembles can be outfitted with the Through Suit Connector (TSC). The device can easily connect and disconnect from the suit, without the need to unzip, providing the ultimate in discrete operation.

**DOD Identified Benefits**
- Stop Tactical Dehydration
- Maintain Situational Awareness
- Maintain Mission Effectiveness
- Remain Safely Buckled in Harness
- Eliminate Piddle Pack Safety Risks

With the optional Through Suit Connector (TSC), the system is fully self-contained and environmentally sealed, perfect for CBRN ensembles and immersion suits.

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**Eliminate Tactical Dehydration and maximize flight performance with the AMXDmax**

Tactical dehydration is dangerous. Dehydration fatally impacts G-tolerance, situational awareness, and decision making ability. It can affect anyone, even pilots with decades of flight experience. It only takes a second to lose your aircraft or your life.

The AMXDmax allows pilots to hydrate properly and relieve their bladder mid-flight, without interrupting the mission. Now fully-automatic and with a slimmer profile, the AMXDmax lets you reach your true potential.

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**HYDRATE AND DOMINATE THE SKY**

OMNI Medical Systems, Inc.
**F-35 Inspired Design**
- 20% Slimmer Profile.
- Evacuation Hose at Cup Base
- 360° Swivel Hose Design
- Designed for Legacy & 5-Point Harness
- Enhanced Comfort & Flexibility

**NEW CUP MALE SYSTEM**

With the **AMXDmax**, tactical dehydration can be eliminated, allowing a pilot to operate at **maximum performance**.

Reversible up to 20 flights.

**NEW PAD FEMALE SYSTEM**

The **AMXDmax** eliminates the need for diapers, allowing for longer mission without the distraction of

Reversible up to 5 flights.

**Designed for Comfort**
- Designed Based on Sanitary Pad
- Enhanced Comfort & Flexibility
- Inflatable Ring Keeps Pad in Place
- Soft, Non-Woven Fabric

**OMNI Medical Systems, Inc.**
Protect from infection in harsh environments

The battlefield is rife with bacteria. Indwelling or foley catheters leave the patient vulnerable to infection, and can easily be contaminated by the patient or attendant even when precautions are taken. These infections may cause serious and costly repercussions down the line.

The CSFC is a closed system field catheter kit, which provides an environmental seal around the urethra entrance, providing protection against bacteria and other contaminants.

**ANY MISSION ANY ENSEMBLE**

The TSC enables bladder relief for any outfit, including environmentally sealed ensembles.

Sometimes you can’t unzip. Whether it’s an immersion suit or environmentally sealed PPE, maintaining a secure seal is critical to the ensemble’s function.

The **Through Suit Connector (TSC)** allows integration with the AMXDmax Bladder Relief Device for any ensemble without compromising the garment’s integrity, even ones requiring an environmental seal.

**Sequence**

1. **Exterior**
   - The TSC Hose connects to the external TSC port, and then to the AMXDmax Control Unit and Bag for use. It features a failsafe quick disconnect.

2. **Interior**
   - A TSC Compatible hose attaches to the interior of the TSC port, which provides a 360° swivel connection.

**Use with any ensemble**

**F-35 Inspired Design**

- Fully Self Contained
- Maintains Environmental Seal
- Can be integrated into any garment:
  - Flight Suits
  - Immersion Suits
  - Chem/Bio Suits
  - Cold Weather Gear
  - And more!

**Through Suit Connector Kit**

The TSC Kit allows for easy modification of any garment to enable use with TSC compatible equipment.

The TSC Kit contains everything needed to fully integrate the TSC into an ensemble. Use the provided tools to mark, punch, and securely apply the TSC to the desired garment.
Hydration

Dehydration adversely affects the performance of individuals, leading to mistakes and mishaps.

The Endurance Pack contains a thermally insulated liquid reservoir that can hold three liters of drinking water. The reservoir is worn underneath the disposable gown, and the drinking tube can be accessed within the face shield and respirator for hands free hydration.

No removal of clothing or use of hands is required.

Cooling

The most efficient method for cooling the human body is to provide direct body core cooling.

By filling the Endurance Pack’s three liter reservoir with ice and water, drinking the ice water provides effective body core cooling.

Additionally, the user is cooled by the presence of the reservoir on the back.

Bladder Relief

Integrated Bladder Relief allows for extended wear and proper hydration.

The Endurance Pack integrates the ProRen™ System, a complete bladder relief solution originally developed for NASA space suits. The system is non-invasive, fully automatic, hands free, and utilizes disposable collection units.

Contact Omni to discuss requirements. Options for internal or external wear are available.

These products are protected by one or more of the following United States patents: 6,708,027 / 6,918,899 / 7,131,964 / 7,135,012 / 7,141,043 / 7,335,189 / 7,866,942 or other patents pending.
Quick Start Guide

1. Clean with sanitary wipe
2. Select and apply catheter sheath
3. Insert lubricated catheter
4. Snap on quick connect hose with collection bag

NASA Inspired Technology Provides

- Revolutionary closed-system, indwelling catheter
- Full sanitary protection against non-sterile environments
- Up to 72 hours of secure protected collection
- Protects against adverse events
- Reduces complications associated with foley catheters or repeated insertion of intermittent catheters

Closed System Field Catheter Kit

CSFC

The Closed System Field Catheter (CSFC) Kit is a closed system bladder collection solution, which provides accurate urine collection documentation and reduces the risk of infection. The environmental seal ensures protection in a battlefield or austere environment when CASEVACs or Medevacs are delayed or planned to take over 24 hours to reach the next echelon of care.

All items are contained in a sterile package small enough to fit in an ATLS kit.

THE BATTLEFIELD IS NOT CLEAN

The battlefield is rife with bacteria. Indwelling or foley catheters leave the patient vulnerable to infection and can easily be contaminated by the patient or attendant, even when precautions are taken. These infections may cause serious and costly repercussions down the line.

The CSFC is a Closed System Field Catheter kit, which provides an environmental seal around the urethra entrance, providing protection against bacteria and other contaminants.
The Endurance Pack provides an integrated solution for hydration, heat stress relief, and bladder relief for individuals wearing Personal Protective Equipment (PPE), allowing extended wear.

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**Endurance Pack™**

Hydration, Cooling, and Bladder Relief

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**Specs:**

- Total Weight (Pack Only): 2.2 lbs
- Pack Dimensions: 18.5x8x5 in. (47x20.5x12.5 cm)
- Hydration Capacity: 3L
- 300 Watts of Body Core Cooling
- Harness: Ultra Light 3D Mesh
- Breathable Back Panel
- Isolated Urine Collection Bag Capacity: 1.2L (approx. 8hrs)
- Disposable Male/Female Urine Collection Unit (Flo-MG)

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