

AMXDmax[®]

ADVANCED MISSION EXTENDER DEVICE



User & Maintenance Guide



Omni Medical Systems
www.OmniAMXD.com

Warranty

Warranty

Omni warrants its system to the original purchaser, against defects in material and workmanship for a period of one year from the date of original purchase. Omni will, at our option, replace or repair defective parts without charge. Omni will, replace or repair any part found to be defective upon inspection by Omni. The purchaser will be responsible for freight to Omni. Omni will be responsible for freight, via UPS Ground, to purchaser after repairs. This warranty does not apply in the event of misuse or abuse or failure by the user to maintain the system in accordance with Omni instructions or as a result of unauthorized alteration or repairs. Damage occurring during transit is not covered by this warranty. No other warranty expressed or implied shall apply and in no event shall Omni be liable for consequential economic damage or consequential damage to property.

Omni Medical Systems Disclaimer

Buyer assumes all risk and liability whatsoever from the installation and use of Omni products. Omni products are sold as bodily fluid collection and storage devices and should not be relied upon as protection from bodily fluids exposure to the body, clothing or other items such as flight deck. Omni assumes no liability for injury, loss, incidental or consequential damages in the event of an accident.

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Important Safety Information

Before using the AMXDmax[®] System in a mission setting, familiarize yourself with the components and operation of the system. **Practice** using the AMXDmax[®] in a chair or flight simulator before using it in an aircraft.

1. Always follow instructions when operating the device.
2. The batteries must be fully recharged at least once every 12 months.
3. The batteries must be left in fully charged state when they are not going to be used for more than 2 months.
4. Do not submerge Control Unit under water.
5. Do not use liquid cleaners (bleach, vinegar, alcohol, ammonia, etc.) or aerosol cleaners. Clean using a warm water (or a solution of 3% hydrogen peroxide) and a damp cloth.
6. Use only the type of power supply provided with the AMXDmax[®] System.
7. Do not attempt to service this product yourself, as opening or removing covers may damage the device and void your warranty.
8. Refer all servicing to qualified ***Omni Medical Systems*** service personnel.
9. Refer all servicing to ***Omni Medical Systems*** service personnel under the following conditions:
 - When the power-supply cord or plug is damaged.
 - If the product does not operate normally contact product dealer.
 - If the product has been dropped or damaged in any way.
 - When the product exhibits a distinct change in performance.
10. All servicing should be done by an Omni certified service technician. Unauthorized component substitutions may result in fire, electric shock, or other hazards.
11. This product should be kept away from heat sources such as radiators, heat registers, stoves, or other products that produce heat.

System Components

Control Unit Kit



Collection Bag



Undergarments



Female Pad



Male Cup



Female Hose



Male Hose



AMXDmax Personal Aircrew Flight Equipment

The AMXDmax is a fully automatic, hands free bladder relief system designed for use in fixed and rotary wing aircraft. The system was designed to allow pilots to be hydrated during mission (in accordance with mandatory regulation for aircrew of military aircraft) and to remain fully clothed and secure in their seat harness at all times.

How Does The AMXDmax Work?

The AMXDmax system is simple to use. Worn discretely beneath the flight suit, the collection **cup** or **pad** contain sensors that will detect urine once the user begins to urinate. The external control unit will automatically activate, evacuating the urine from the cup or pad and into the attached collection bag.

Cup and Pad worn discretely beneath the flight suit.



Quickstart

Male System Operation Procedure Overview

Don the System

1. Don the **Boxer Briefs**.
2. Connect the removable hose to the cup. Insert the cup into place within the briefs.
3. Insert the penis through the hole in the **Briefs**, into the cup via the **Foam Ring**.
4. Don the rest of the flight ensemble. If using the **TSC**, connect the hose to the inside TSC port. If not, make sure that the cup hose is accessible via the flight suit's zipper.

Before Take Off

1. Ensure that the control unit is fully charged (all green lights)
2. Ensure that the cup hose is accessible.
3. Ensure that the collection bag drain is closed.

System Operation

1. Before urinating, connect the hose to the control unit.
2. The system is now **activated**, and will **automatically** drain urine into the collection bag as soon as the aircrew begins to urinate.
3. The system can remain connected for the duration of the flight.

Female System Operation Procedure Overview

Don the System

1. Don the **Female Undergarment**.
2. Connect the removable hose to the front of the pad. Place the Pad into the undergarment with the hose exiting from the front. Use the adhesive strip on the underside of the pad to secure it to the undergarment. **See page 25 for the proper positioning of the pad.**
3. Don the rest of the flight ensemble. If using the **TSC**, connect the hose to the inside TSC port. If not, make sure that the cup hose is accessible via the flight suits.

Before Take Off

1. Ensure that the control unit is fully charged (all green lights)
2. Ensure that the pad hose is accessible.
3. Ensure that the collection bag drain is closed.

System Operation

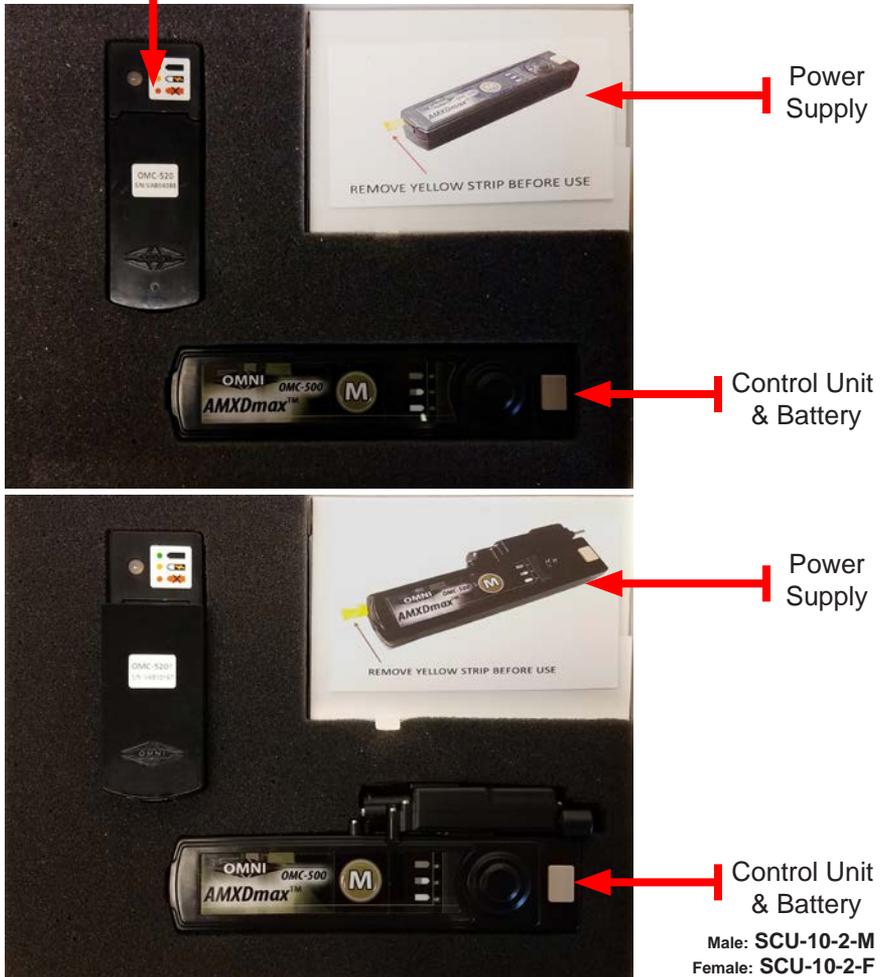
1. Before urinating, connect the hose to the control unit. ***The Air Pump will activate and begin to inflate the pad.***
2. Allow the system **90 seconds to inflate the pad** in order to create a seal.
3. The system is now **activated**, and will **automatically** drain urine into the collection bag as soon as the aircrew begins to urinate.
4. Disconnect the system after use to allow the pad to deflate.

Control Unit Kit

Kit Contents

- 1 Control Unit (Male or Female)
- 1 Charger
- 2 Battery Packs
- 1 Wall Power Adaptor
- 1 User Manual
- 1 USB Flash Drive

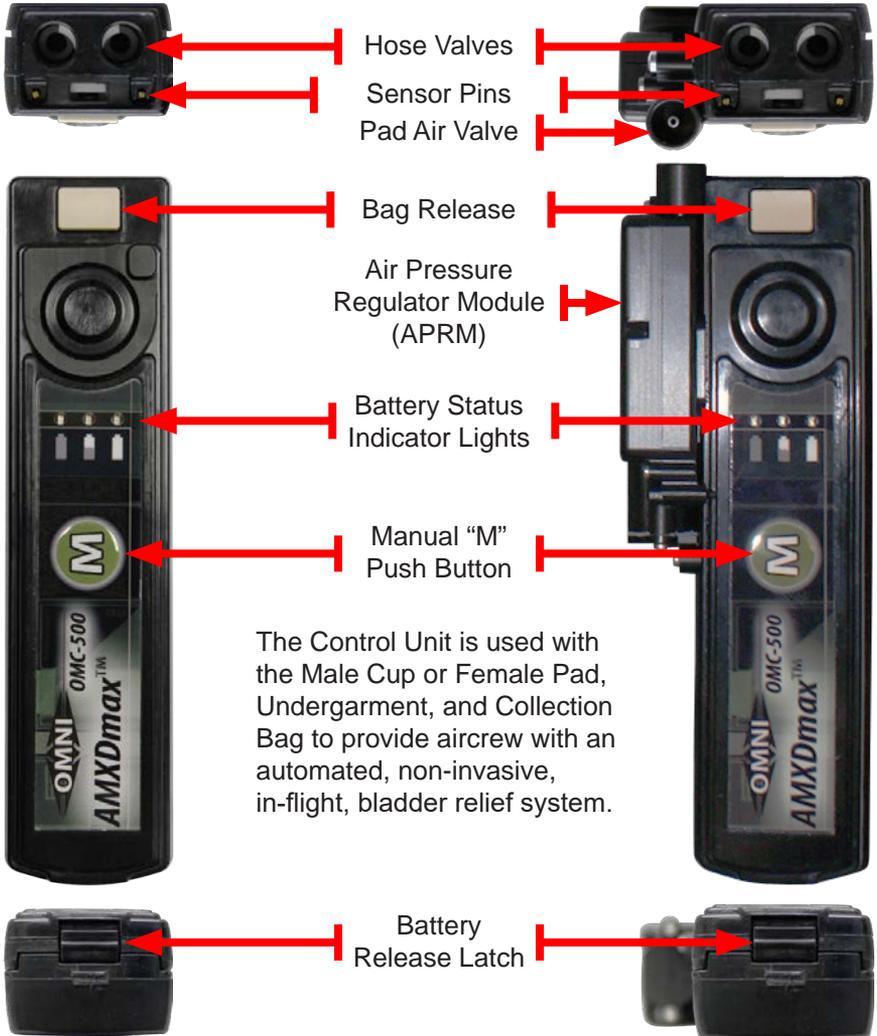
Battery & Charger



Control Unit

Male Unit

Female Unit



The Control Unit is used with the Male Cup or Female Pad, Undergarment, and Collection Bag to provide aircrew with an automated, non-invasive, in-flight, bladder relief system.

Male: OMC-500-M
Female: OMC-500-F

Charger

The battery charger only for use with the AMXDmax® rechargeable battery packs. It must only be used with the supplied power supply which has an input range of AC100-240V 50/60Hz.

Battery Status
Indicator Light



Battery status indicator lights

- A solid **GREEN** light indicates that the battery is charged
- A flashing **YELLOW** light indicates that the battery is charging
- A flashing **RED** light indicates that the battery needs service

RBP-ECU

Batteries

DO NOT submerge batteries in water.
DO NOT leave batteries discharged.

Standard Rechargeable Battery

Fully charged, the battery lasts for up to 12 uses within a 12 hour period.

Long Term Storage: Battery must be fully recharged and left charged every 12 months.



Capacity 420 mAh

MFG: OMC-520

GSA: SCU-RBP-2-1

DOD: SCU-RBP-2



Capacity 680 mAh

MFG: OMC-5201

GSA: SCU-RBP-2-2

DOD: SCU-RBP-2

Starter Kits and Supply Kits

Starter Kits

 CSK-2-M-1
CSK-2-M-2

Omni Medical Systems

**MALE CSK
Control Starter Kit**

This kit includes:

- 1 Control Unit
- 2 Rechargeable Batteries
- 1 Charger w/ Power Adaptor
- 3 Disposable Male Cups
- 1 Hose
- 1 Undergarment
- 2 Collection Bags
- Training Video & User Manual



www.omnimedicalsys.com Made in USA

 CSK-2-F-1
CSK-2-F-2

Omni Medical Systems

**FEMALE CSK
Control Starter Kit**

This kit includes:

- 1 Female Control Unit
- 2 Rechargeable Batteries
- 1 Charger w/ Power Adaptor
- 3 Female Pads
- 1 FP Hose
- 2 FG Undergarment
- 2 Collection Bags
- Training Video & User Manual



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See GSA for Options

Supply Kits

 CSK-B-M 1
CSK-B-M 2

Omni Medical Systems

**MALE CSK-B-M
Monthly Supply Kit**

This kit includes:

- 1 Collection Unit (Male Cup)
- 1 Collection Bag



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 CSK-B-F 1
CSK-B-F 2

Omni Medical Systems

**FEMALE CSK-B-F
Monthly Supply Kit**

This kit includes:

- 2 Female Pads
- 2 Collection Chambers



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See GSA for Options

Male Cup

The Male Cup has a removable hose which attaches to the bottom of the cup. It is designed for optimal use in all aircraft, including aircraft with the 5-point harness. The cup is reusable, at the user's discretion, for up to **20 flights** or **30 days** with proper cleaning.

Polyurethane Cup
Medical-Grade
Latex-Free

Soft Foam Ring
Medical Grade
Latex-Free



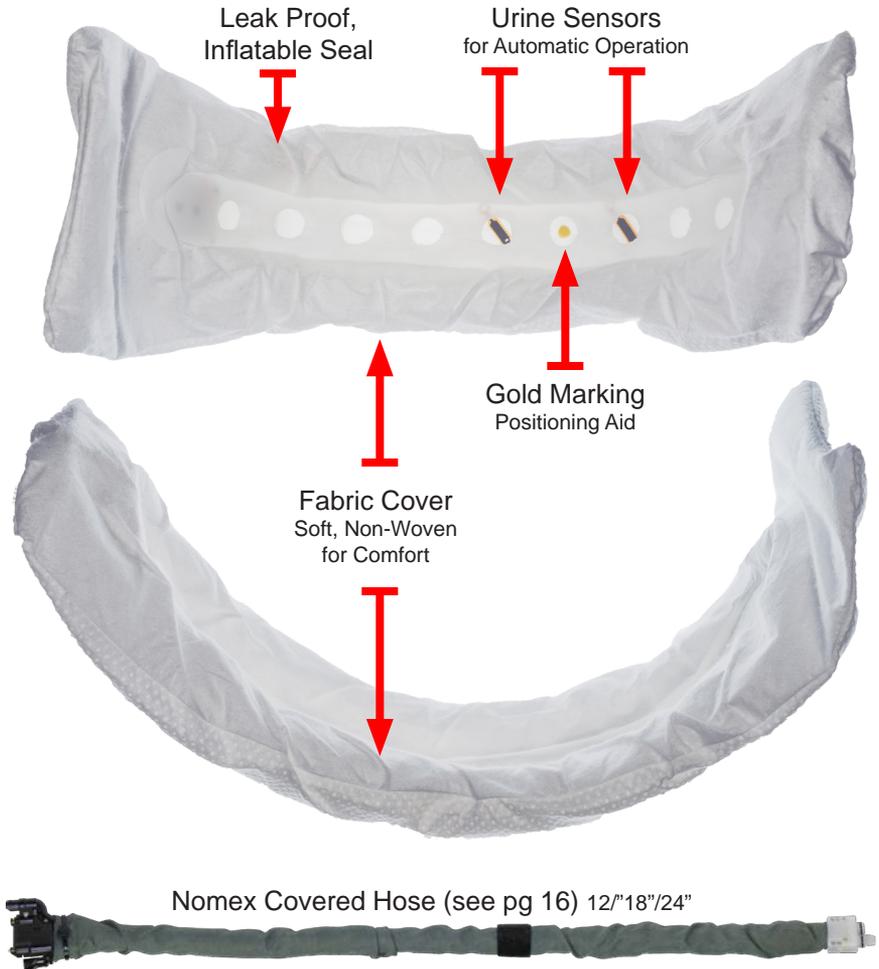
Hose
Connector

Removable hose connects to the bottom of the cup.



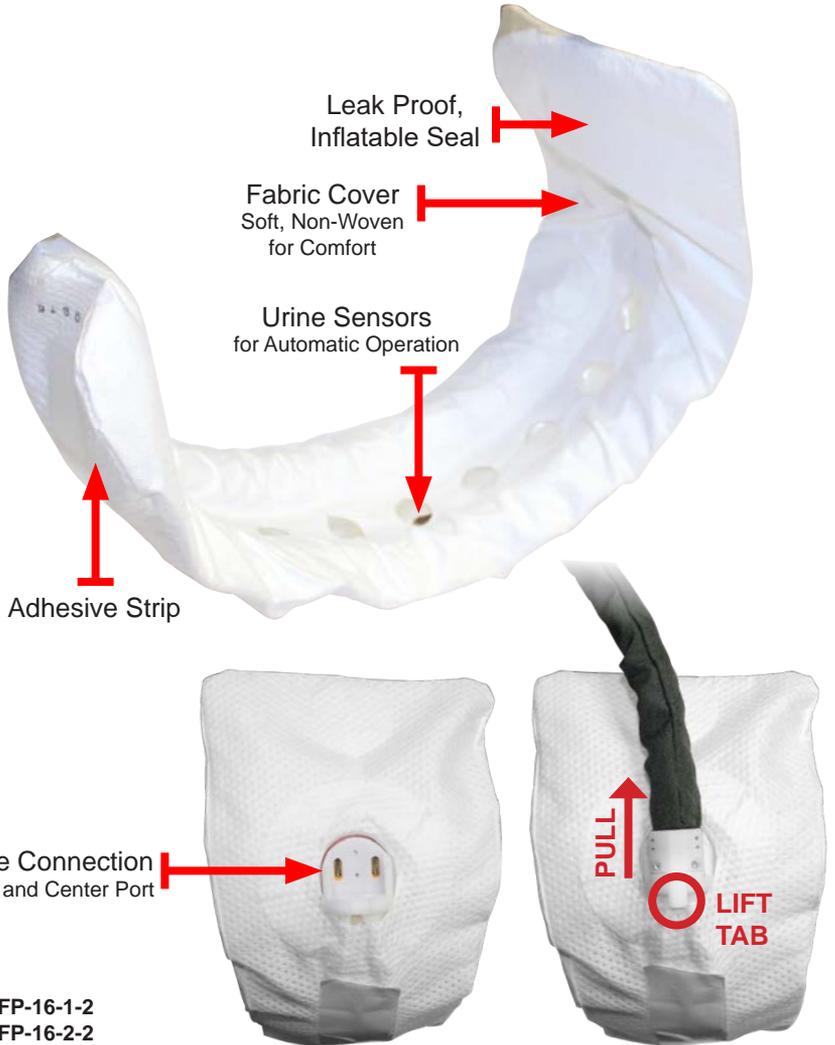
Female Pad

The Female Pad is safe, sanitary, and shaped to fit like a female sanitary pad. The non-invasive pad has an integrated **urine sensor** for automatic operation. The pad inflates to provide a **leak proof seal** between the pad and the body. It has a soft, non-woven **fabric cover** to provide comfort. The pad is reusable, at the user's discretion, for up to **5 flights** or **15 days** with proper cleaning.



Female Pad

The Female Pad has a removable hose. It is designed for optimal use in all aircraft, including aircraft with the 5-point harness. The pad is disposable, and can be detached from the hose and disposed of.



Size 1: IFP-16-1-2

Size 2: IFP-16-2-2

Male Cup and Female Pad Removable Hoses

The removable hoses connect the cup and pad to the control unit. These hoses are reusable for 25 flights.

There are also TSC variations.

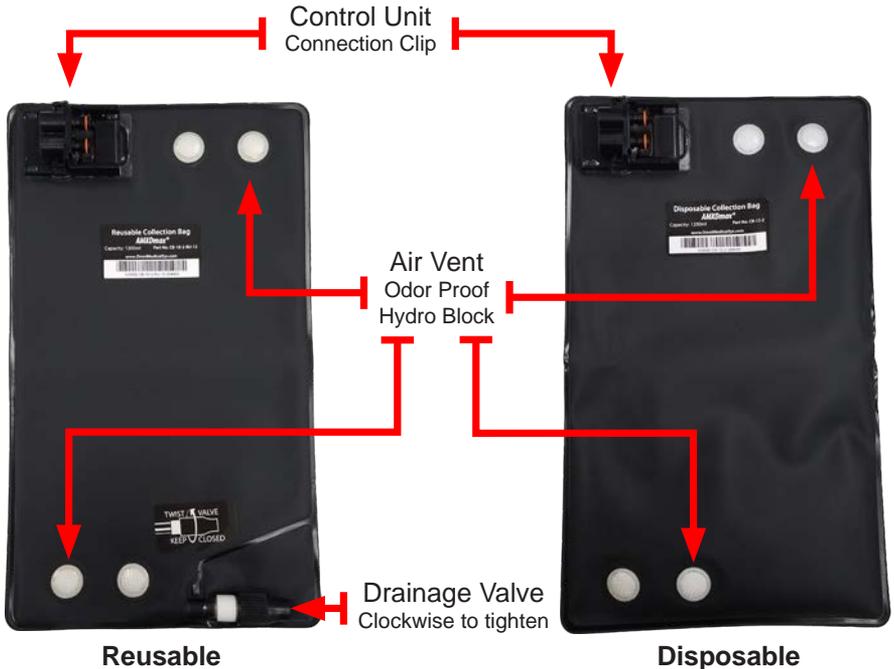


RHA-21B-2M-18
RHA-21B-2M-24

RHA-21B-2F-18
RHA-21B-2F-24

Collection Bag

The Collection Chamber Unit (Bag) is manufactured from durable, medical-grade urethane. It has a **standard capacity of 1200mL**. While **not recommended**, in an **emergency it can withstand up to 2200mL**.



DO NOT OVERFILL THE COLLECTION BAG

The Collection Bag has a 1000mL over-capacity emergency factor

Reusable: **CB-10-2-RU-12**

Disposable: **CB-12-2**

Undergarment

The undergarments are used to hold the Cup or Pad in place. They should be sized for a snug fit. They are **machine washable**.

Male Undergarment



Velcro Strip

Size 1: **MG-1**
Waist size 32 and below

Size 2: **MG-2**
Waist size greater than 32

Female Undergarment



Velcro Strip

Size 1: **FG-1**
36" hips and below

Size 2: **FG-2**
36"-38" hips

Size 3: **FG-3**
38"-41" hips

Male System Overview

The Male System consists of the Male Cup, Male Hose, Control Unit, and Collection Bag, and are connected together as demonstrated. These are the only components required on a mission. Additional batteries and bags may be taken as needed.



Female System Overview

The Female System consists of the Female Pad, Female Hose, Control Unit, and Collection Bag, and are connected together as demonstrated. These are the only components required on a mission. Additional batteries and bags may be taken as needed.



Charging the System

The battery pack **must be charged prior to the first use**. It may take up to 2.5 hours.



Connect a **Rechargeable Battery** to the **Charger**.



Connect the cord from the **Power Supply** to the **Charger**



A solid **GREEN** light indicates that the battery is charged



A flashing **YELLOW** light indicates that the battery is charging



A flashing **RED** light indicates that the battery is completely discharged. If it does not change to yellow after an hour, the battery may need service.

Donning the Male System (Removable Hose)



Attach Hose

Attach the black cup connector. Ensure that the hose snaps securely in place. Rotate hose for desired location.



Insert Cup

Place the cup into the garment pocket and insert the male anatomy through the foam ring. Secure the pocket.



Position Hose

The hose exits the garment at the bottom, and can be positioned as desired.



Alignment Flaps

If necessary, the alignment flaps can be cut off and discarded to provide a more comfortable fit.

Depending on which provides a better fit, future supplies can be ordered with or without flaps as desired.



Connect to System

Leave hose accessible via garment zipper or other access point. Connect to AMXDmax Control Unit and Bag for use.

Donning the Male System



The Cup may be inserted into the Undergarment either before or after donning.

Open the cup pocket flaps on the front of the Male garment.



Insert the **Male Cup** (with hose attached) into the cup pocket, making sure that the foam ring is aligned with the hole.

If the garment is currently donned, insert the Male Anatomy through the hole in the fabric and through the foam ring of the cup.



While keeping the cup in place, fasten the pocket flaps shut with the Velcro strip.



Make sure that the cup is secure in the cup pocket.

Donning the Male System



After the cup has been placed into the boxer briefs, insert the Male Anatomy **through the foam ring** of the cup while donning the boxer briefs.

The boxer briefs should be a comfortable, snug fit to properly hold the Male Cup in place. Ensure that the hose can be retrieved through the bottom zipper after donning flight gear.

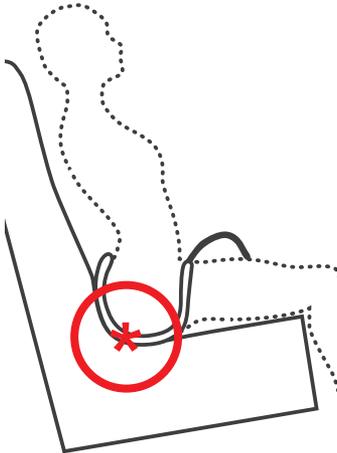


After entering the aircraft, but **before securing the harness**, retrieve the hose and zip the flight suit to capture the hose. **Ensure that the hose is not kinked, crimped or pinched.**



Once seated in aircraft, adjust the cup for comfort and ensure that the tip of the cup is **down and between the legs**.

Donning the Female System

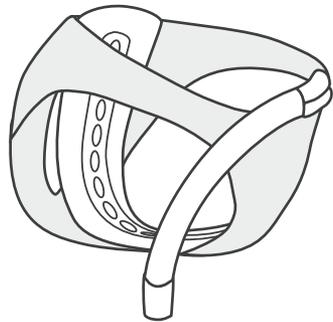


Prior to use, locate the **gold sensor** in the **Female Pad**. When seated in the ejection seat, the **Center Gold Sensor MUST BE located at the lowest point.**

The location of the sensor is critical for the AMXDmax[®] System to function properly.

It is very important that this be determined on the ground, prior to flight.

Place the **Female Pad** into the undergarment with the hose in the front and to the right. Use the **adhesive strip** located on the underside of the Female Pad to secure it to the undergarment.



Attach the Hose to Velcro strip on the front of the Female Undergarment. Ensure that the hose can be retrieved through the bottom zipper after donning flight gear.

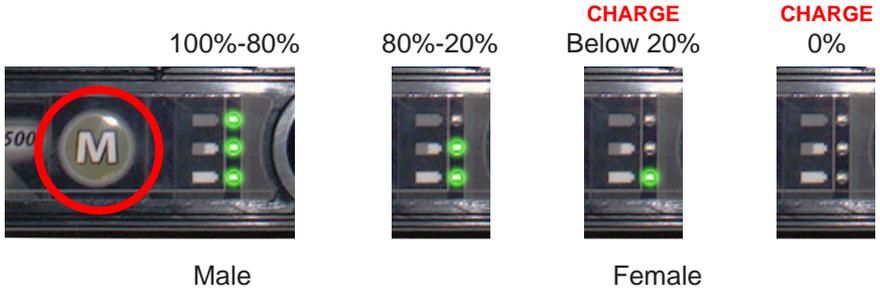


After entering the aircraft, but **before securing the harness**, retrieve the hose and zip the flight suit to capture the hose. **Ensure that the hose is not kinked, crimped or pinched.**

Once seated in aircraft, adjust the pad for comfort and **ensure that the sensor is at the lowest point of aircraft seat.**

Prepping the System

Press the “M” push button for 1 second and release to display the battery charge status. Recommended to start mission with fully charged battery.



Slide the Control Unit onto the Collection Bag clip.
There will be an audible click when the connection is made.



The AMXDmax[®] with battery weighs less than 4 oz, and is considered man or woman wearable.

Roll the Control Unit up in the Collection Bag and store in an available pocket that is accessible during flight.

Male System Operation

The Male System is designed to allow the user the option of connecting the Cup Hose to the Control Unit at the **beginning of flight** and **remain connected for the mission duration**. Alternatively, the user may remove it from storage and connect it each time he needs to relieve his bladder.

To connect the Cup Hose to the Control Unit:



Align hose connector with clip and slide it into place.



When connected, there will be an audible click, and the control unit will beep twice.



When the user begins to relieve his bladder, the sensors in the Male Cup **automatically detect** urine and activate the Control Unit pump, transferring the urine from the cup and into the Collection Bag, keeping the user dry.

At the end of mission, pinch the sides of the hose connector and slide it away from the Control Unit.



Female System Operation

The Female System allows the user to connect the Pad Hose to the Control Unit prior to use and to **disconnect after each use**. Once connected, the user **must wait** at least **90 seconds** for the pad to inflate and create a **leak proof seal** against the body. Once inflated, the system will automatically activate when the user begins to relieve her bladder.

To connect the Pad Hose to the Control Unit:



Align Air Hose Connector with clip and slide into place.

When connected, there will be an audible click, and the control unit will beep twice.



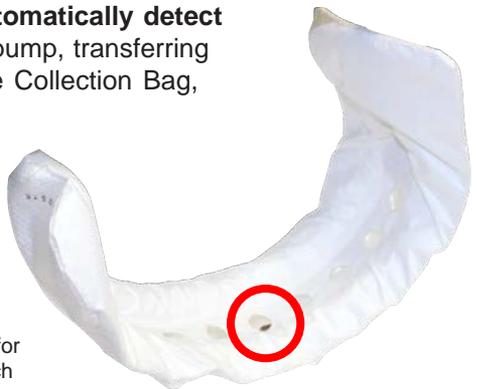
The Female Pad will inflate, taking at least 90 seconds to complete.

Once the pad has inflated, the user may begin to relieve her bladder. Remain firmly seated, pressed against the pad during use. **DO NOT** raise the body up from the pad while in use.

The sensors in the Female Pad **automatically detect** urine and activate the Control Unit pump, transferring the urine from the pad and into the Collection Bag, keeping the user dry.



After using, press the Manual button (pg. 9) for 5 seconds to remove any residual liquid. Pinch the sides of the hose connector and slide it away from the Control Unit to deflate pad.



After Mission

Male

Female



To remove the Control Unit from the Bag, press the release button and slide the unit away from the clip.



Remove battery from control unit and recharge.



Drain collection bag.

Either dispose of Collection Bag and Male Cup or Female Pad, or clean for reuse. See Care and Maintenance (pg 46) for Cleaning instructions, or visit www.OmniAMXD.com to view the AMXDmax® Instructional Video



Through Suit Connector



Through Suit Connector (TSC)

When used with a TSC enabled garment, the device can easily connect and disconnect from the suit, without the need to unzip, providing the ultimate in discrete operation.

Environmentally Sealed

With the Through Suit Connector (TSC), the system is fully self-contained within the flight suit.



Connect to TSC

When using a TSC enabled garment, attach the White end of the **TSC Compatible Hose** to the inside (white side) of the TSC port.



Connect TSC to System

Connect the TSC Hose to the external TSC port, and then to the AMXDmax Control Unit and Bag for use.



Through Suit Connector

TSC Connector

There are two versions of the TSC connector, one for the MALE system and one for the FEMALE system, denoted by the color of the connector center.



MALE (BLACK)
ESC-35-2 M



FEMALE (TAN)
ESC-35-2 F

Interior Hose

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

RHA-21B-2-12-M MALE



RHA-21B-2-12-F FEMALE



Exterior Hose

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

RBU-40-2-M MALE



RBU-40-2-F FEMALE



ESC-35-2 Installation Instructions

1. Installation Procedures

- a. Assemble the installation press-vice.
 - i. Insert the vice side into the slot on the bottom of the press, as shown in (Figure 1) and secure with the thumbscrew.



Figure 1. Installation Press-Vice Assembly

- b. Secure the installation press-vice to a table or other flat surface for installation (Figure 2).

2. Preparing the Garment

NOTE

Mark flight suit where the center of the TSC will be placed.

- a. Proper placement of the TSC is critical, marking the location of the installation must be accomplished with the Aircrew strapped into an applicable aircraft (A/C) seat or equivalent. Have aircrew don flight suit and applicable mission Pilot Flight Equipment (PFE)
- b. While seated and strapped into the applicable seat, determine and mark the desired location for the TSC on the flight suit (Figure 3).



**Figure 2.
Installation
Press-Vice
Secured to Table
(Version A or B)**

ESC-35-2 Installation Instructions



Figure 3. Marking of the Installation Site

- c. Typical location where TSC will be installed on flight suit (Figure 4).



Figure 4. Installed on Flight Suit in Typical Location

3. Primary Hole Punch Operation

- a. Hold the fabric ring clip beneath the mark on the inside of the garment, with the tongs facing the material. (Figure 5)

ESC-35-2 Installation Instructions

INSIDE



Figure 5.
Fabric Ring Clip Placement



OUTSIDE

Figure 6.
Fabric Ring Holder Placement

NOTE

Fabric ring holder should fit snugly into fabric ring clip. If it does not, select a larger size.

- b. Center fabric ring holder onto mark on outside of garment and press into fabric ring clip.
- c. Ensure all fabric slack is removed before punching hole, but do not stretch fabric (Figure 6).
- d. Place the fabric punch disc blank into the fabric punch base (Figure 7).



Figure 7.
Fabric Punch Base



Figure 8.
Punch Base Placement

- e. Ensuring fabric punch disc doesn't move, place fabric ring holder onto the punch base (Figure 8).

ESC-35-2 Installation Instructions



Figure 9. Fabric Ring Clip, Fabric Ring, and Punch Base Placement

- f. Holding the entire assembly, place the punch base into the recess on the installation press (Figure 9).

WARNING

Utilize caution when handling fabric punch holder due to sharp blade in base. Failure to comply could result in injuries to user.

- g. Hold the punch base in position and place the punch holder through the hole in the fabric ring clip (Figure 10)



Figure 10. Position and Place the Fabric Holder

CAUTION

Failure to raise and rotate fabric punch holder could result in fabric damage.

- h. While holding the fabric punch holder, rotate the press lever and apply pressure to fabric punch holder through the fabric, at least three times, lifting and rotating fabric punch holder between each press.



Figure 11.
Applying Pressure



Figure 12.
Removal of Fabric Punch Holder

- i. Remove the fabric punch holder (Figure 12).
- j. Verify cut went completely through fabric.

NOTE

If fabric is not cut completely through after three presses, replace fabric cutter blade and repeat punch procedure.

- k. Remove entire assembly from the recess on the installation press-vice.
- l. Remove fabric punch base from the assembly.
- m. Discard fabric punch disc.

4. Fitting the TSC.

- a. Visually check the TSC connector and TSC lock to ensure that the three RED sealing O-Rings (pictured below) are installed and in place. **The Female TSC connector has 2 additional BLACK O-Rings at the top of the connector.** (Figure 13).



Figure 13. O-Ring Inspection

- b. Place the TSC connector into the TSC holder base. Turn the connector until it drops into place, flush with the top of this base with O-Rings showing (Figure 14).



Figure 14. TSC Connector Into the TSC Holder Base



Figure 15. TSC Holder Base Into the Recess on the Installation Press Stand

- c. Place the TSC holder base into the recess on the installation press stand. Place the fabric ring holder and fabric ring clip onto the TSC holder base (Figure 15).

NOTE

A slight pull on the fabric outside the fabric clip may be necessary to ensure the O-Ring is visible around the TSC



Figure 16. O-Ring is Exposed and Above the Fabric

- d. Ensure that the sealing O-Ring is exposed and above the fabric. Gently press the fabric down beneath the O-Ring with the Torx Screwdriver (Figure 16).



Figure 17. TSC Lock on the Lock Holder

- e. Place the TSC lock onto the lock holder. It should fit snugly in place with O-Ring showing (Figure 17).
- f. Place the lock holder and TSC lock through the hole on the fabric ring clip and push it down lightly.
- g. Rotate the lock holder until the lock falls into place.

CAUTION

Depending on the fabric being used, more force may be needed to ensure that the TSC lock is pushed securely in place. Failure to comply may result in failure to properly seal the two TSC halves.

- h. While holding the lock holder, rotate the press lever and apply pressure for a minimum of three presses, until the TSC lock is in place and on the TSC connector (Figure 18)



Figure 18. Seating Holder

NOTE

To ensure that the lock is in place, it may take five or six very firm presses, for a bout 5 seconds each.

- i. Remove the lock holder by pressing down on fabric ring clip and tilting TSC lock holder away to one side so the lock ring does not lift off with it. Ensure TSC lock doesn't move. If it does, *repeat steps f through step i.*(Figure 19)



Figure 19. Removing Lock Holder

- j. Remove entire assembly from installation press-vice. By slightly tilting to one side, gently lift entire assembly, ensuring that TSC does not separate or come loose. If it does, *repeat steps f through step i.*
- k. Use the fabric punch to make screw holes in the fabric while holding lock ring in place. Push the fabric punch through the fabric until the fabric punch bottoms out. Twist fabric punch slightly to remove (Figure 20). If TSC lock moves, *repeat steps f through step j.*



Figure 20. Making Holes with Fabric Punch

CAUTION

To prevent damage to the screws, the tip of the screwdriver **must** be fully seated in screw head prior to turning either direction. Failure to comply may result in damage to screw head.

- I. Install the four Torx Screws

NOTE

If fabric shows signs of pulling or bunching, remove screw and start again.

- m. Turn screws counterclockwise while pressing down to get the screw through the fabric, making at least two full rotations.
- n. Then tighten the screw normally. Work in a crisscross pattern, screwing in the opposite screws until snug (figure 21).
- o. Torque screws to 75 inch-ounces (+/- 0.3).



Figure 21. Re-Attach Lock Holder

- p. Place the assembly back into the press and re-attach the lock holder. While holding lock holder press firmly down on the lever several times to ensure the tightest seal possible.
- q. Remove the lock holder and torque the screws a second time (Figure 21).
- r. Detach and remove the fabric ring clip, and fabric ring.

5. Inspecting TSC Installation

CAUTION

Inspect both sides of the TSC to ensure that it is securely in place. Failure to comply may result in leakage.

- a. Inspect both sides of the TSC to ensure that it is securely in place. Ensure that there is NO GAP between the connector and the fabric (FIGURE 22).
- b. If there is a gap, place the connector back into the press. Apply additional pressure with additional presses until the gap is gone. Torque screws afterwards.

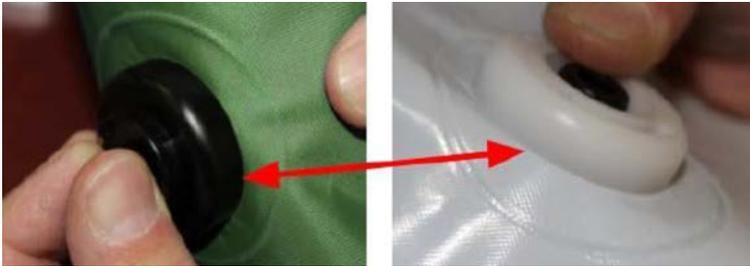


Figure 22. Check for Gap

NOTE

Some fabrics are stiffer than others an the additional force is required to ensure that the TSC seals properly.

- c. Suit with the TSC installed properly (Figure 23)



Figure 23. Suit with TSC Installed

6. Testing

- a. Connect the internal sensor hose and cup or pad (Figure 24).



Figure 24. Internal Sensor Hose and Cup/Pad

- b. Connect external hose and AMXDmax (Figure 25).



Figure 24. Internal Sensor Hose and Cup/Pad

- c. To test, pour salted water (1/2 teaspoon salt in 12 ounces water) into cup/pad. System pump should activate automatically and pump water into the Bag.
- d. End of test.

7. Remove and Replace Fabric Cutter Blade

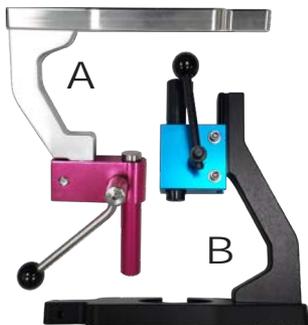
NOTE

Utilize caution when replacing fabric cutter blades due to sharp blade in base. Failure to comply could result in injuries to user.

- a. Remove screw and set aside
- b. Remove white plastic spacer and set aside.
- c. Remove cutter blade and discard.
- d. Insert new cutter blade.
- e. Insert white plastic spacer.
- f. Insert screw and tighten until snug.

8. TSC Installation Kit Components (Figure 26)

As of October 1, 2019, Press version B (TSCK-1B) is supplied with the installation kit, replacing version A (TSCK-1A).



FABRIC RING CLIP
(TSCK-2)



FABRIC PUNCH BASE
(TSCK-4)



INSTALLATION PRESS VICE
(TSCK-1A OR TSCK-1B)



FABRIC RING HOLDER
(TSCK-3A/B)



TSC HOLDER BASE
(TSCK-7)



**TSC LOCK HOLDER
(TSCK-8)**



**FABRIC PUNCH HOLDER
(TSCK-6)**



**FABRIC CUTTER BLADES
(TSCK-15) 2 SPARE**



**FABRIC HOLE BLADES
(TSCK-21B) 2 EACH**



**FABRIC HOLE PUNCH
HANDLE (TSCK-21A)**



**T6 TORX DRIVER (TSCK-10)
WITH HANDLE (TSCK-11)**

9. TSC Connector Kit Components (Figure 27)



**FEMALE
TSC CONNECTOR (ESC-35-2) (M/F)**



**MALE
TSC CONNECTOR (ESC-35-2) (M/F)**



TSC LOCK (ESC-35-2)



**FABRIC PUNCH DISK BLANK
(TSCK-5)**



**TORX SCREW (4 EACH)
(CCU-20-3-5S)**

Care, Maintenance and Storage

WARNING:

NEVER SUBMERGE THE ENTIRE CONTROL DEVICE

Cleaning

1. Attach all three components (Control Unit, Cup and Bag) of the AMXDmax® system together.
2. Fill Male Cup or Female Pad with warm water OR a solution of 3% Hydrogen Peroxide. The Control Unit should turn on automatically. If the system does not automatically turn on, press and hold the “M” button. Repeat this process twice.
3. Once all the water is pumped out of the Cup or Pad and into the Bag, move the Bag around to rinse it on the inside.
4. Open the drainage valve and empty the bag.
5. REMEMBER TO CLOSE THE VALVE AFTER DRAINING.
6. Submerge the connector end of the Control Unit in into warm water. DO NOT submerge past the release button.
7. Press and hold the “M” push button for 5 seconds, then remove the Control Unit from the water and hold the button for an additional 5 seconds to dry out the Control Unit pump.
8. DO NOT USE BLEACH, VINEGAR, OR HEAVY DETERGENTS.

Storage

1. *Short Term Storage:* Always fully recharge batteries before storing.
2. *Long Term Storage:* The batteries must be recharged and left fully charged every 12 months.
3. Always store the AMXDmax® Control Unit in a dry place with temperatures between 0F and 150F (4°- 38° C).
4. Keep the AMXDmax® system away from heat, humidity or harmful chemicals and avoid long term exposure to sunlight.

Maintenance Tips

Omni recommends that the Male Cup, Female Pad, Control Unit, and Bag are cleaned daily to maintain their functionality.

Disposal

The Male Cup, Female Pad, and Collection Bag can be disposed of in any trash receptacle.

Troubleshooting

Having trouble?

Try these simple tips, email us at support@omnimedicalsys.com or call 1 (802)497-2253.

The Control Unit does not start ...

1. Check that the battery is charged by pressing the “M” button.
2. The unit should beep twice and flash battery status indicator lights.
3. If the Control Unit does not emit an audible beep or does not display a green light, remove the battery and replace with a charged battery.
4. If the battery fails to charge, please contact an Omni Medical Systems service technician.

The Control Unit doesn’t automatically start pumping ...

1. Disconnect and re-connect the Male Cup or Female Pad connector to the Control Unit.
2. The Control Unit should beep twice .
3. If the Control Unit does not emit an audible beep, press and hold the “M” button to activate the pump. If the user needs to manually operate the pump by pushing the “M” button, this indicates the cup or pad is not automatically sensing urine, and needs to be replaced.
4. If the battery status indicator shows that the battery is charged and the Control Unit fails to start pumping, please contact an Omni service technician.

The charger indicator light is not working ...

1. Check that power supply is plugged in and is securely connected to the charger.
2. Remove and connect the rechargeable battery to the charger.
3. If the charger indicator light is not lit, please contact an Omni service technician.

Technical Specifications

Control Unit

Device Specifications

Flow rate	1.5 ± 0.1 LPM (-10F to 122F) 1.2 ± 0.1 LPM (above 122F)
Operation charge	12 Relief Cycles on one battery

Environmental Specifications

Power	7.6V DC, 750mA
Weight	3 oz.
Dimensions	5"L X 1.2"W X 1"H
Maximum Noise Level	65 dB at 1 meter

Rechargeable Battery

Device Specifications

Chemistry	Lithium Polymer
Voltage	7.2V
Capacity	420 mAh / 680 mAh
Charge Cycles	500
Storage	See page 46

Environmental Specifications

Weight	1 oz.
Dimensions	2.4"L X 1.2"W X 0.5"H - 420mAh 2.4"L X 1.2"W X 0.5"H - 680mAh

Charger for Lithium Polymer Battery

Device Specifications

Battery Chemistry	Lithium Polymer
Charging Voltage	8.4 V
Charging Current	350 mA
Charging Time	2.5 hours
Dimensions	2.3'L X 1.2' w X .5" H
Wall Pack	Input ~ 100-240VAC (50/60Hz), 0.30A Output ~ 12V DC, 500mA

Reordering

The AMXDmax® is available direct from:
Omni Medical Systems or GSA
 GSA - VA Contract Number: 36F79718D0358

PRODUCT	SIZE	MFG#	NSN
MALE STARTER KIT	1	CSK-2 M D-1	1680-01-660-1986
	2	CSK-2 M D-2	1680-01-659-6739
FEMALE STARTER KIT	1	CSK-2 F D-1	1680-01-660-1969
	2	CSK-2 F D-2	1680-01-660-1966
MALE SUPPLY KIT	1	CSK-B-2 M-1	1680-01-676-9370
	2	CSK-B-2 M-2	1680-01-676-3098
FEMALE SUPPLY KIT	1	CSK-B-2 F-1	1680-01-676-9409
	2	CSK-B-2 F-2	1680-01-676-9937
MALE CUP		IMCR-2-2	1680-01-546-4429
MALE CUP HOSE	18"	RHA-21B-2M-18	4720-01-659-8499
FEMALE PAD	1	IFP-16-1-2	1680-01-546-4426
	2	IFP-16-2-2	1680-01-546-4427
FEMALE PAD HOSE	18"	RHA-21B-2F-18	4720-01-546-4434
REUSABLE BAG	1200ml	CB-10-2-RU-12	1680-01-546-6446
DISPOSABLE BAG	1200ml	CB-12-2	1680-01-558-7439
MALE GARMENT	1	MG-1	8425-01-546-4484
	2	MG-2	8425-01-546-4486
FEMALE GARMENT	1	FG-1	8425-01-546-4835
	2	FG-2	8425-01-546-4836
MALE TSC		ESC-35-2M	5935-01-677-6848
TSC (M) PUMP HOSE	18"	RBU-40-2-M	4720-01-659-8494
FEMALE TSC		ESC-35-2F	5935-01-546-4431
TSC (F) PUMP HOSE	18"	RBU-40-2-F	4720-01-546-4430
TSC INSTALLATION KIT		TSC-10	8460-01-546-4428

Contractor: Omni Measurement Systems, Inc.

CAGE CODE: 1UW92

Sales contact: Sales@OmniMedicalSys.com

TO ORDER: Phone: 802-497-2253 Fax: 802-497-3601

Visit our website at www.OmniAMXD.com



To re-order supplies please contact:

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www.OmniMedicalSys.com
www.OmniAMXD.com