

AMXDmax™

Advanced Mission Extender Device

- Cockpit Essential Equipment
- Increasing Combat Mission Effectiveness
World Wide
- Proven In Theater Mission Readiness and
Performance Enhancer.



AMXD CBRN Ensemble Ready

The Advanced Mission Extender Device (AMXD) is a **non-invasive, fully automatic**, in-flight bladder relief device designed by Omni for the US Military, specifically as a force multiplier to enhance and sustain the performance of aircrew of military aircraft.

- The AMXD is an Effective, Hands Free solution allowing aircrew to **focus on objectives** for the entire mission **without distraction, dehydration impairment or discomfort**.
- The AMXD is available in several CBRN configurations for both air and ground crew .
- The AMXD is **CERTIFIED SAFE TO FLY** on F-22, F-16, F-15, A-10, F-4, B-1, B-2, B-52, C-130 Series, E-3 Series, E-4 Series, E-8 Series, T-38, T-6, T-1, CV-22, HH-60, and UH-1. F-35 STF approval pending JPO approval.
- Over 2200 have been deployed in theater to Europe, Iraq, Afghanistan and Korea by the **US Air Force, US Navy, Air National Guard and NATO countries**.



Current Version Fielded
AMXDmax® - **Weight 4 oz.**

- Pilot remains Heads up
- Hands Free System
- Fully Automatic
- 12 hours always ready
- Can be placed in any orientation.

AMXD System Overview

“It is a key mission enabler/enhancer for long duration missions.” **Lt. F-16 Pilot**

Male AMXD



Control Unit (sensor activated)
is attached to
Collection Bag (drainable)

Male Cup

Female AMXD



Female Pad

AMXD System Features:

- The Male Cup or Female Pad is worn discretely under the flight suit or CBRN ensemble.
- The Bag and Control Unit can be placed in any location in any orientation.

The Cup or Pad can be put on with flight gear, or it may be slipped into place without undressing just prior to or after going to the flight line.



AMXD Enhances Pilot Performance

Use the AMXD over a target area and be able to keep your eyes on the target and the friendlies the entire time and when asked to prosecute the target you will be able to do it without delay.

- Increase **Situational Awareness (SA)**.
- Increase **ability to make decisions**.
- Increase **attention span**.
- Eliminate the need for **Tactical Dehydration** prior to long missions.
- Increase **G-Tolerance** (3% dehydration = 40% reduction in G-tolerance).
- Decrease **Distractions** from flight operations.
- Decrease **Fatigue**.
- Decrease **Potential for mishaps**.

The AMXD system is worn discretely under Aircrews Flight suit, the Collection Bag and Control Device are small for easy stowage.



Pilot Safety and Medical Issues Solved by the AMXD

- ◉ At least **Nine** F-16s & **one** A-10 have crashed resulting in **loss of life and aircraft** that are directly attributed to male pilots using the **piddle pack** . Not an option for CBRN
- ◉ **Un-strapping**, partially undressing, & excessive movement in the cockpit **creates distractions** from flight operations increasing the **potential for mishaps**. Not an option for CBRN operations
- ◉ Tactical dehydration prior to long missions creates **degraded performance** and **health risks**, which can be **avoided by using the AMXD**.
 - Impaired **Vision**
 - Decreased **Hand/Eye Coordination**
 - Loss of **Consciousness**
 - Urinary Tract Infections (**UTI**)
 - Short and long term **Kidney Stones**
 - Long Term **Incontinence**
- ◉ Urinary Retention **reduces attention span** and the **ability to make decisions** to the same degree associated with alcohol intoxication or 24 hours of sleep deprivation.

