Combat Force Multiplier

AMXDmaxTM

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

MXDmax

- Fully Automatic
- 12 hours always ready
- Can be placed in any orientation.

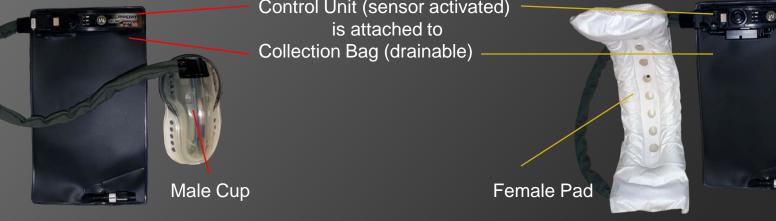
AMXD System Overview

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

Male AMXD

Control Unit (sensor activated) is attached to

Female AMXD





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 warn 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 on 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.

