

## FOR IMMEDIATE RELEASE

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## Mainstream's QwikShot® Acid Flush<sup>ä</sup> Helps Cool Down Navy's Mine Detector System

Rockledge, FL (April 2003) – Cooling down an electronic system to 280°F below zero has proven quite a challenge for the U.S. military over the years. However, Mainstream Engineering Corporation has successfully demonstrated an innovative multi-stage autocascade refrigeration system that could interface with the U.S. Navy's Organic Airborne and Surface Influence Sweep (OASIS) to quickly cool the system and decrease the preparation time required to deploy it. Mainstream's new OASIS Cryocooler is designed for maintenance-free cryogenic cooling even in some of the warmest parts of the world.

The OASIS is a self-contained, high speed, shallow water device that provides rapid mine clearance for Navy personnel working in harm's way. The OASIS Cryocooler is a high-pressure ratio, autocascade vapor compression system that operates on a blend of refrigerants and POE oil, creating an ideal breeding ground for acid and moisture problems.

To avoid such debilitating problems, the new OASIS Cryocooler demonstrated by Mainstream uses **QwikShot® Acid Flush<sup>ä</sup>** to remove unwanted acid from operating units, along with **QwikLook<sup>ä</sup>** moisture indicators. QwikShot® Acid Flush<sup>TM</sup> is *the only acid treatment approved* for use in the OASIS Cryocooler.

QwikShot® Acid Flush<sup>TM</sup> is also the only acid treatment on the market that does not neutralize the acid. Instead, it quickly flushes any harmful acids into the filter-drier of the operating system. This allows the filter-drier in the system to remove the acid (and the Acid Flush itself), leaving no residue or contaminant in the system to cause problems. The patented QwikShot® Acid Flush<sup>TM</sup> (US Patent # 5,770,048) removes the acid without any of the problems associated with neutralization. Conversely, neutralization acid treatments leave a residue of some kind--a basic law of chemical reactions--and can therefore cause serious problems in an A/C or refrigeration system. The OASIS Cryocooler designers look to minimize risk and improve reliability whenever possible, choosing QwikShot Acid Flush, and only QwikShot, for this application was a simple decision.

QwikShot Acid Flush is guaranteed not to void any compressor warrantee. Complete details about QwikShot Acid Flush, including performance test results and the Limited Warrantee, are available on the QwikProducts web site at [www.qwik.com](http://www.qwik.com).

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