

ENGINEERING, FACILITIES, AND EQUIPMENT

Biomedical Equipment Maintenance



AFMLL Engineering, Facilities, and Equipment Two-Year Alphabetical Index

To assist in locating articles previously published in the Engineering, Facilities, and Equipment portion of the AFMLL, Attachment 7 is an alphabetical index of articles published during calendar years 1995 through 1996 (AFMLLs 1-95 through 25/26-96). The index is included at Attachment 1. The articles are listed by the title and AFMLL number, and are divided into the categories listed below:

- ◆ Biomedical Equipment Maintenance
- ◆ Career Advisor's Corner
- ◆ Facility Management
- ◆ Medical Equipment Management
- ◆ Quality Assurance

If you have problems using the index or cannot locate a specific article, please feel free to contact us. With our on-line database, we can help you locate articles quickly. (AFMLO/FOA, Rita Miller, DSN 343-4158)

Alternate Source for Steris Printer

Having problems with the printer of your Steris "System 1" sterilizer? TSgt Michael Larson at Grand Forks AFB ND has identified an alternate source for just the printer without the circuit card. The printer can be obtained from Sager Electronics at one-tenth the cost of the circuit board/printer assembly from the Steris Corporation. The Steris Corporation only supplies the entire circuit card/printer assembly for \$597, whereas Sager Electronics, the actual manufacturer of the printer, sells the printer for \$65. An additional benefit is that Sager Electronics will accept the International Merchant Purchase Authorization Card (IMPAC). In order to find the nearest Sager Electronics, dial 1-800-724-3780.

Alternate source: Sager Electronics
Part # MTP201-G166
(800) 724-3780

If you have found an alternate source for an item that may have Air Force wide application, please let us know. TSgt Walker is the point of contact for this item; call or e-mail to:

walkers@fdetrck-ccmail.army.mil

(AFMLO/FOM-E, TSgt Stephen Walker, DSN 343-4039)

Quality Assurance

Food and Drug Administration (FDA) Recalls/Alert Notices

Attachment 2, paragraph 1, provides information on FDA medical equipment recalls and alerts. Personnel from clinical engineering, biomedical equipment maintenance, quality assurance, and safety should follow the guidance provided to ensure the effective maintenance and management of medical equipment. (AFMLO/FOM-P, Capt David Zemkosky, DSN 343-4028)

Safety Alerts

***Cataract Extraction Unit, MDC 10673,
DP8020 Phacoemulsification Handpieces
Used with Microsurgical Systems:
(1) Premiere, (2) Protoge, Storz Ophthalmics
Inc.***

Reference ECRI *Health Devices Alerts* Number 1997-A2, 10 January 1997, Accession No. A3164. ECRI publicized a hospital reported its Storz DP8020 phacoemulsification handpiece failed pre-use calibration. During the second calibration attempt, a small flame appeared at the junction where the power cable enters the handpiece. The manufacturer has received 40 reports of these handpieces delivering minor shock sensations. Storz has determined the flame and shock incidents are related to fracturing of the two redundant ground conductor wires, and/or the high-voltage conductor wire in the power cable connecting the phacoemulsification unit's ultrasound generator and the handpiece. The manufacturer has implemented a new circuit design. This new circuit was implemented on the Premiere Microsurgical system in May 1995 and on the Protoge Microsurgical system in January 1996. Using activities should accomplish the following:

- 1) Ensure users of the Premiere and Protoge systems are aware of these problems.
- 2) Determine whether your system has the upgraded circuit. If it does not, schedule an upgrade by contacting Storz Technical Service at (800) 325-9510.
- 3) Because the DP8020 handpiece is susceptible to conductor wire fractures caused by corrosion, consider replacing older units. For further information, U.S. customers should contact Storz Ophthalmics at (800) 325-9500; customers outside the U.S. should contact Storz Ophthalmics at (314) 225-5051.

***Infusion Pumps, MDC 13215, Horizon
Modular Infusion Pumps with Software
Revision KO or Lower, McGaw Inc. Sub Ivax
Corp.***

Reference ECRI *Health Devices Alerts* Number 1997-A3, 17 January 1997, Accession No. A3175. ECRI reports that these pumps may have false Door Open alarms that are caused by low-battery or high-temperature conditions. McGaw is providing a software upgrade (Revision LP, part numbers 501459 and 501460) to correct the problem. The upgrade also changes the default for Piggyback Callback to *OFF* whenever the pump is turned on and eliminates the cause of *SYS ERR 29,75*, and *147* messages. McGaw issued a letter dated 23 July 1996, to all known customers informing them of the upgrade free of charge. Using activities should verify receipt of the letter dated 23 July 1996 from McGaw. Determine if you have any of the pumps in your inventory. If your Horizon pumps are not yet upgraded, contact McGaw at (800) 627-7867 to arrange for the upgrade. For further information, contact McGaw at the above number.

***X-Ray Rad/Fluoro Units, Mobile (C-
Arm), MDC 11758, XiScan 1000 Mini C-
Arm Units with Interim Live Frame
Averaging Option, XiTec Inc.***

Reference ECRI *Health Devices Alerts* Number 1997-A4, 24 January 1997, Accession No. A3183. ECRI reports that units manufactured between 23 August 1994, and 14 September 1996, may not properly reset in cases of momentary power loss. With power interruptions of less than ten seconds, the unit may be able to generate x-rays, although the system's monitor remains blank or image information is lost. XiTec sent a letter to customers dated 13 January 1997 informing users a modification has been developed to correct the

power interruption problem. Using activities should verify receipt of the 13 January 1997 letter from XiTec. Return the above units to Xitec for free modification. Until the units are corrected, XiTec recommends the systems be turned off and restarted after power interruptions of less than ten seconds. For further information, contact Bernadette Meunier, XiTec, at (800) 947-2267.

***Device Correction -AS/3 Airway Modules,
Datex Engstrom, Inc.***

Datex Engstrom sent a letter dated 17 January 1997, to all known customers stating they will perform a field correction on AS/3 Airway Modules which contain the optional spirometry function. Modules affected by this correction are G-OV, G-AOV, G-AiOV, and other versions of the AS/3 Airway Modules that have been retrofitted with the spirometry option and are identified by the U-V Kit label on the back of the module. The reason for the field correction is because a hospital experienced failure and overheating of an internal electronic component in a type G-AiOV AS/3 Airway Module. This caused the adjacent components to burn and the plastic enclosure to partially melt. The letter states that due to the rarity of this failure, patient safety is not likely to be compromised and the removal of the unit from clinical use is not required. Using activities should ensure they receive the 17 January 1997 letter from the manufacturer and coordinate the field correction. For further information or to request a copy of the letter, contact Datex Engstrom at (800) 635-6099 or (508) 640-0460. (AFMLO/FOM-P, Capt David Zemkosky, DSN 343-4028)

Medical Equipment Management

Shared Procurement Equipment Items Currently Available

AFMLL 23/24-96, Attachment 1, pages 1 and 2, contains a list of all current Shared Procurement contracts and optional contracts available through the Defense Personnel Support Center (DPSC). If you plan to order any of these items for your facility, use the specific ordering instructions and overall program guidance contained in AFMLL 04-96, pages CE-4 and CE-5. (AFMLO/FOM-P, Capt David Zemkosky, DSN 343-4028)

“Piggyback” Contracts Currently Available

AFMLL 16-96, Attachment 1, pages 4 and 5, contains a list of all current “piggyback” contracts currently available through DPSC. These contracts will allow facilities to “piggyback” requirements onto existing orders placed for specific quantities. Many of these contracts are designed to buy large quantities at reduced prices, and are written with the option of buying additional quantities at the same price. The list includes available quantities and “Order By” dates. To order, send your MILSTRIP requisitions to DPSC, and reference the contract number (from the listing) in the notes section. (AFMLO/FOM-P, Capt David Zemkosky, DSN 343-4028)

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