



Ten Tips to Extend Your Medfusion 4000 Pump's Life



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Infusion pumps are an essential part of hospitals, physician offices, outpatient surgery centers, emergency service vehicles and veterinary clinics. But what happens when they break down or just stop performing in peak condition after years of wear and tear?

Despite new models coming out each year from various manufacturers, your Medfusion 4000 Infusion Pumps were built to provide years of safe and efficient operation. Here are AIV's top tips for extending the life of your Medfusion 4000 Infusion Pump:

Tip 1: Replace the Batteries Regularly

Sometimes, pump failure could simply be due to old batteries in your unit. The rechargeable batteries found in your Medfusion 4000 hold a charge less effectively over time. Regular replacement of these batteries will lessen the chances of false error codes and inadvertent pump shutdown.

Second-source medical battery suppliers can also be just as effective as the old OEM battery, provided that the replacement battery is rated and constructed for use in specific IV pump models.

Tip 2: Update Your Pump Software

Sometimes, Smith also provides software upgrades for infusion pumps so make sure you stay up-to-date with the latest software releases!

Tip 3: Replace the Infusion Pump Casing and Exterior

Replacing the exterior parts of the Medfusion 4000 not only protects against fluid invasion and other issues, it also visually presents the pump positively to the patients it is used on. These cases are available from AIV; [brand new Top Case Assemblies \(AIV Part #: MD13253\)](#) for the Medfusion 4000 on their website.

Tip 4: Repair/Restore Broken Pumps

A malfunctioning pump does not necessarily mean it must be discarded. Many failures happen to parts that can be easily accessed and replaced, significantly lowering the department's overhead costs. There are many repair options available:

a. Diagnose and Repair In-House

Before anything else, try consulting your in-house professionals. You not only save time but money as well when you reach out to your resident technician versus outsourcing advice from a third-party service.

b. Send to Original Equipment Manufacturer (OEM) for Servicing

OEM companies like Smith often provide full service for their infusion pumps and can repair pumps to the same standard and specification your Medfusion 4000 device had when it was originally purchased. This is by far the most expensive option for you to consider.

c. Outsource Repairs and/or Services to A Third Party

Alternatively, you can also have your Medfusion 3500 pump serviced by a third-party vendor like AIV that you trust and maintain a strong relationship with. AIV's technicians and staff can be very helpful with emergency repairs and other services. AIV provides a 120-day warranty on all new replacement parts, a 60-day warranty on recertified 3500 parts, and pump repairs with a 6-month warranty. For the full list of additional Medfusion 3500 repair services that AIV currently offers, [click here](#).

All AIV repairs are performed in their ISO 13485:2016 certified facility to strict quality standards. They offer both flat rate, [all-inclusive pump repairs \(AIV Service #: FLRTMED4000\)](#) as well as [fixed-rate labor \(AIV Service #: RPMED4000\)](#) repairs to suit your budgeting needs.

Tip 5: Incorporate All OEM Safety & Service Upgrades in A Timely Manner

Be mindful of OEM service bulletins and upgrades. They are an excellent way to extend the life of your pumps. Not only do they keep your system up-to-date, but they also help prevent the chances of dosage errors.

Tip 6: Attend to Warnings and Nuisance Alarms Promptly

Attending to pump warnings and alarms immediately will keep your infusion device well-calibrated and in good working condition. The most common parts that may require recalibration or replacement often include the cases and keypads.

If you find that your Medfusion 4000 needs to have its parts replaced, you can look into either purchasing used parts or new parts. Used parts are a more cost-effective option between the two. Make sure that any used parts you buy are tested and certified by the reseller to ensure proper function.

Most internal components of an infusion pump can be replaced, giving you a budget-friendlier alternative to purchasing brand new equipment. AIV supplies [new Medfusion 4000](#) cases, which include a 120 day warranty.

Tip 7: Perform Regular Service (PMs)

Regular pump service can proactively identify and mediate issues that may cause the pump to malfunction. Medfusion preventive maintenance covers inspection for physical damage, battery level, and power cords. It also includes calibrations procedures.

Tip 8: Maintain and Clean Power Cords

Not only can faulty wiring cause damage to the pump itself, but it can also make it unsafe for clinical staff and patients to use. Ensure all electrical cords are clean and damage-free through regular cleaning and maintenance. Early detection of cable issues may enable the repair instead of replacement of the part. Once faults are discovered however, be sure to replace them immediately. New power cord can easily be purchased from providers like AIV.

Tip 9: Undertake Additional Infusion Pump Training

Regular education on pump function and common problems will enable your facility to diagnose and correct common pump problems. Many biomedical conferences, such as the [CMIA](#) or [AAMI](#) annual conferences, offer these seminars free of charge to biomedical professionals.

Tip 10: Purchasing Additional Models of Equipment Required

Purchasing several models of the same pump can be a good insurance policy for your institution. Quantity discounts are available from some distributors, and the extra pumps can be used as substitute floor units, or for replacement parts.

Replacing your current machines with all-new equipment doesn't have to be the only solution! By following these top ten tips, you can add several more years of safe usage to your Medfusion 3500 infusion pump devices and earn additional savings for your facility.

For reliable, quality-driven Medfusion 4000 Infusion Pump replacement parts and services, call on AIV. AIV manufactures replacement cases and keypads that have been designed to strict quality standards in our US based ISO 13485:2016 certified facility. In addition, all Medfusion 4000 pump maintenance and repairs are performed by AIV's trained and experienced technicians. This is why AIV's Medfusion 4000 pump replacement parts and Medfusion 4000 infusion pump repairs are trusted by hospitals worldwide.



Need more help with your Medfusion 4000 infusion pump?
Contact AIV today at **888-509-8760** or send an email to aivsales@aiv-inc.com.

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