

Medfusion® 3500 Syringe Infusion Pump

with PharmGuard® Medication Safety Software



Smart and simple with added safety

The challenges you face.



The Department of Health estimates we will be facing a shortage of over 800,000 nurses by the year 2020! Current shortages are having serious effects on day-to-day healthcare, and many nurses feel overworked and stressed – a situation that may lead to medication errors. The Joint Commission estimates 25% of hospitalized patient deaths are related to nurse understaffing²

MR Conditional: The Medfusion® pump may be used in static magnetic fields up to 150 Gauss when secured to a non-movable object. Tested using 1.5 Tesla 64MHz shielded MRI system.



The dangers of medication errors

- As many as 19 patients die every day from medication errors in the United States³
- More than 770,000 injuries and deaths are due to preventable drug errors, which cost hospitals up to \$5.6 million per year³
- 61% of serious and life-threatening errors are associated with infusion therapy³
- Infusion devices account for up to 35% of all medication errors, with 67% due to programming errors⁴
- 38% of medication errors occur during the administration process; 51% harmed the patient⁵

¹ National Center for Workforce Analysis, U.S. Department of Health and Human Services

² The Joint Commission, 2002

³ Materials Management in Health Care, Oct. 2005

⁴ Tourville, 2003

⁵ JAMA, 1995



The total solution

The Medfusion® syringe pump safety system has been the leader in infusion pump technology for over 15 years.

Innovations in syringe recognition, drug libraries and PharmGuard® Medication Safety Software with programmable safety limits make it easier to improve safety for you and your patients.

The unique, easy-to-use, and easy-to-learn design of the Medfusion® 3500 Syringe Pump with PharmGuard® Medication Safety Software gives you the ability to customize the platform to your institution's practices. In other words, it adapts to the way you work, not the other way around.

For safety and exceptional value, the Medfusion® 3500 Syringe Pump is the best solution for today's busy healthcare environments.



Post-occlusion bolus reduction removes the possibility of a patient receiving an automatic bolus following an occlusion

More than 18 delivery mode combinations including weight-based protocol, intermittent, and continuous delivery modes with optional delivery features including loading dose, bolus dose, flush standby, volume limit, and KVO rate

Variable flow rates (0.01mL/hr—1130mL/hr) and the capacity to infuse at low flow rates with larger syringes

Wide screen allows up to 30 characters for each drug name to help reduce need for abbreviations

Internal battery capacity of 10 hours at 25°C infusing at 5.0mL/hr with 60mL syringe (with fully charged battery)

Biomed setting capabilities for PM dates, viewing service history, and accessing calibration and diagnostic testing



Mounts easily to an I.V. pole, an infant's isolette, or radiant warmer with rotation capabilities

Accepts multiple syringe sizes and automatically detects various syringe types from 1mL to 60mL

Flow rate accuracy—unsurpassed infusion accuracy measured to $\pm 2\%$ even with low volume infusions

Ergonomic, easy-to-use, horizontal design protects entire syringe barrel and allows single-handed loading of syringe



Back button makes work easier and faster by enabling user to go back one step, rather than starting over

FlowSentry™ monitor provides unmatched pressure sensing technology for earlier clinical intervention

MR Conditional—may be used in static magnetic fields outside the 150 Gauss line when secured to non-movable object. Tested using 1.5 Tesla 64MHz shielded MRI system



PharmGuard® Medication Safety Software...a safety solution committed to your concerns

Go anywhere in the hospital

The 16 programmable care area profiles allow you to safely take the Medfusion® 3500 Syringe Pump into any department in the hospital. You control all the variables:

- Alarm volume, times, and type
- Weight, volume, and occlusion programmable limits
- Enable/disable loading and bolus dose therapies
- Specific auto prompts, infusion units, syringe types, and standard dose/Rule of 6
- To address anesthesiologists' needs for quick infusion, the PharmGuard® Medication Safety Software features the QuickLibrary alternative

The PharmGuard® Medication Safety Software is a key error reduction feature of the Medfusion® 3500 Syringe Pump. It helps promote best practices recommended by top hospitals, accreditation and regulatory bodies.



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- It sets hard and soft safety limits for all modes of delivery such as: dose, rate, time, weight, concentration, and volume
- Large character capacity makes it possible to input full drug names and concentrations
- Clear, "Tall Man" lettering is displayed to avoid drug confusion
- Unlimited customizable drug alerts
- Configurable solutions to meet your specific requirements, wherever you are in your healthcare facility

Easier to use, faster to program

The Medfusion® Syringe Pump program is easy to navigate, which simplifies training. And setting it up has never been easier.

- The "help wizard" walks you through every step
- The easy-to-read display keeps it simple and understandable – follow the setup prompts at the top of the screen
- Single channel responsibility – no confusing channel ID
- A back button to avoid additional steps



Innovative solutions for today and tomorrow

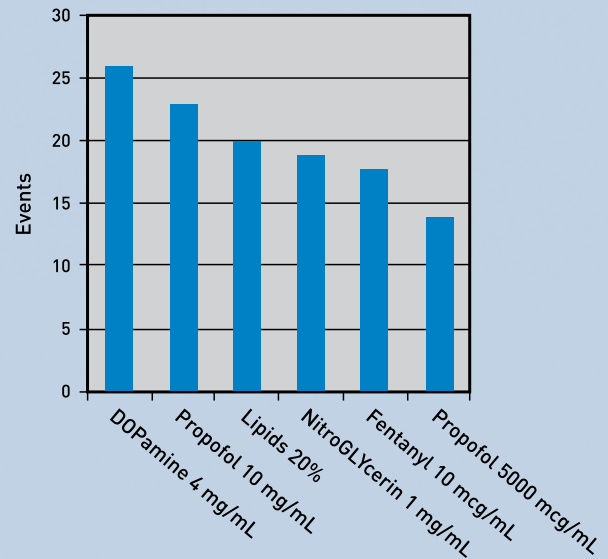
For continuous improvement and education initiatives, Smiths Medical offers the PharmGuard® Toolbox software along with the PharmGuard® Medication Safety Software suite.

This PC-based authoring tool lets healthcare facilities configure their safety limits and profiles so that they are appropriate for each of the 16 patient care areas. In addition, the PharmGuard® Toolbox software allows hospitals and healthcare facilities to generate standard reports or design custom reports to measure the effectiveness of their safety practices.

The addition of PharmGuard® Toolbox software reports will let facilities evaluate probable adverse events and establish best practices.

PharmGuard® Toolbox Software Custom Reports

All Safety Events by Drug Program



Dedicated to superior service



The Smiths Medical team is a diverse staff with a wealth of experience in all areas of healthcare. With resources such as dedicated Customer Advisory Groups or infusion specialists that focus on the procedures and practices of our infusion customers, we are committed to providing an exceptional level of service to each and every one of our customers.

Clinical education

Our Clinical Education program features a team of Advanced Practice Clinicians and Pharmacists who can provide clinical expertise while guiding you through the implementation process from start to finish.

We develop customized implementation plans based on your needs and provide multimedia training materials when necessary. At Smiths Medical, our objective is to provide you with total customer satisfaction throughout the life of our products. To that end, we promote a teaching and learning culture that is beneficial to both of us.

To learn more, visit www.smiths-medical.com, contact your Smiths Medical representative, or call 1-800-258-5361.

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