

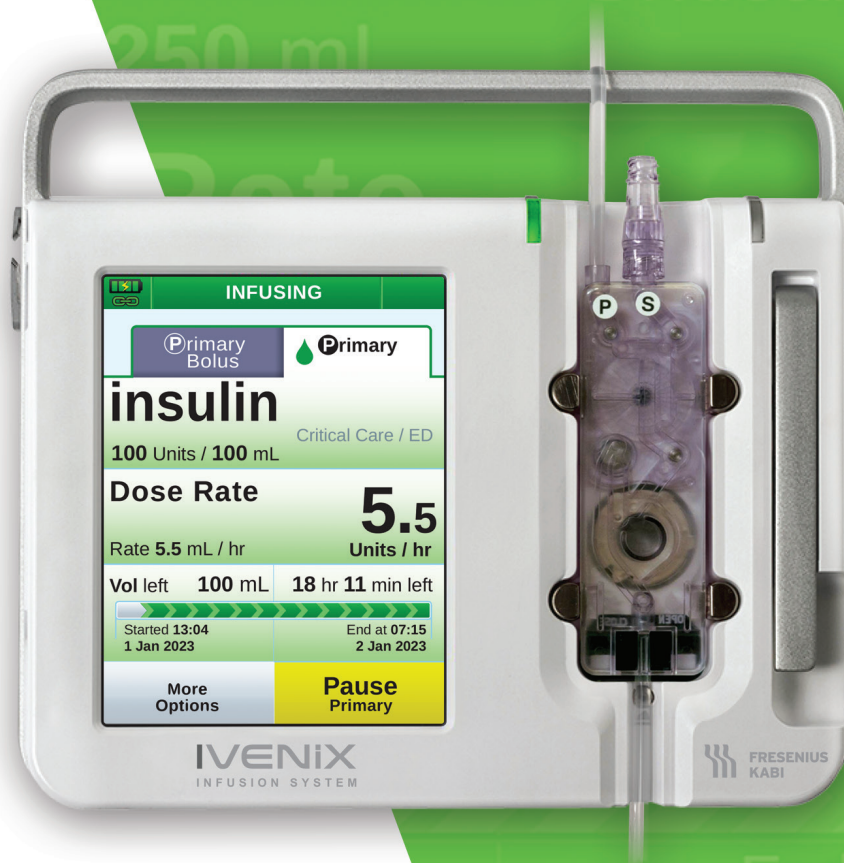


**FRESENIUS
KABI**

caring for life

Ivenix Infusion System

A NEW ERA OF INFUSION DELIVERY



Please see the Instructions for Use for a full list of warnings and precautions associated with this device.

IVENIX
INFUSION SYSTEM

Innovation is Fundamental, Not Incidental, in Today's Digital Health Care Environment

An estimated 90% of hospitalized patients receive infusion therapy,¹ yet today's smart pumps continue to rely on technology developed more than a decade ago. They were not designed for today's clinical workflow and digital health care environment. As recently as 2017, the ECRI Institute named infusion errors its #1 Health Technology Hazard.² Infusion-related adverse drug events are estimated to add more than \$2B in U.S. health care costs annually.³

Incremental improvements to legacy infusion systems cannot address issues such as complexity of infusion setup and management, inconsistent fluid delivery, and challenges with integration. To bring about the change that is needed to improve patient safety, clinician efficiency, and seamless interoperability, innovation is needed to advance infusion delivery.



Infusion related adverse drug events cost **\$2 billion** annually in the U.S. alone³



90% of patients receive IV therapy during a hospital stay¹



Infusion-related errors are associated with

54% of all adverse drug events⁴

References: **1.** Giuliano KK, Penoyer D, Mahuren RS, Bennett M. Intravenous smart pumps during actual clinical use: a descriptive comparison of primary and secondary infusion practices. *J Infus Nurs.* 2021;44(3):128-136. **2.** ECRI Institute. Top 10 Health Technology Hazards for 2017: A Report from Health Devices. ECRI Institute website. November 2016. Accessed November 3, 2022. https://www.ecri.org/Resources/Whitepapers_and_reports/Haz17.pdf. **3.** Institute of Medicine. Preventing Medication Errors: Quality Chasm Series. Washington DC: National Academies Press, 2007. Metrics provided in 2006 dollars. **4.** Bacon O, Hoffman L. System-Level Patient Safety Practices That Aim to Reduce Medication Errors Associated With Infusion Pumps: An Evidence Review. *J Patient Saf.* 2020;16(3S Suppl 1):S42-S47.

Meet the Ivenix Infusion System

Moving beyond a smart pump to an infusion delivery system that integrates into and broadly supports a hospital's medication safety program. A large volume infusion pump supported by a management system specifically designed to simplify every step of infusion delivery, help to eliminate unnecessary work, and enable the system to inform decisions.



Patient-Centered Design

Designed to dramatically improve system usability, infusion set-up efficiency, and programming ease to help reduce the potential for medication errors.

Patients benefit when clinicians spend less time troubleshooting pumps or resolving nuisance alarms.



Integrated, Data Driven Insights

Enabled by an advanced IT platform that securely manages the patient's infusion data and provides reliable interoperability with the EMR and other hospital information systems.

Connecting clinicians with patient-specific knowledge to be better informed, and make better decisions, when at the bedside.



Adaptive Fluid Delivery

Designed to deliver infusions accurately and consistently under all operating conditions, regardless of the bag height, backpressure, and fluid viscosity.

Reducing clinical variability to help improve patient outcomes.



The Ivenix Infusion System is engineered from the ground up to leverage the power of the digital age, enhance patient safety, and fundamentally transform infusion delivery.¹

Reference: 1. Penoyer D, Giuliano K, Middleton A. Comparison of safety and usability between peristaltic and pneumatic large-volume intravenous smart pumps during actual clinical use. *BMJ Innov.* 2022;8:78-86. Compares Ivenix to a single competitor.

Ivenix Large Volume Infusion Pump

Bringing the power of intuitive usability, adaptive fluid delivery, and infusion intelligence to the bedside.



Automatic drug library opt-in and real-time dose guidance during programming provides immediate feedback on drug library compliance.

Easy to prime and load dedicated administration set helps prevent misloading and simplify infusion set up.



Smartphone-like user interface encourages programming accuracy and safety.

Auto-programming and auto-documentation with the EMR and BCMA systems reduce manual steps.

Head-height independent to ensure intended delivery of primary and secondary medications regardless of the bag position.

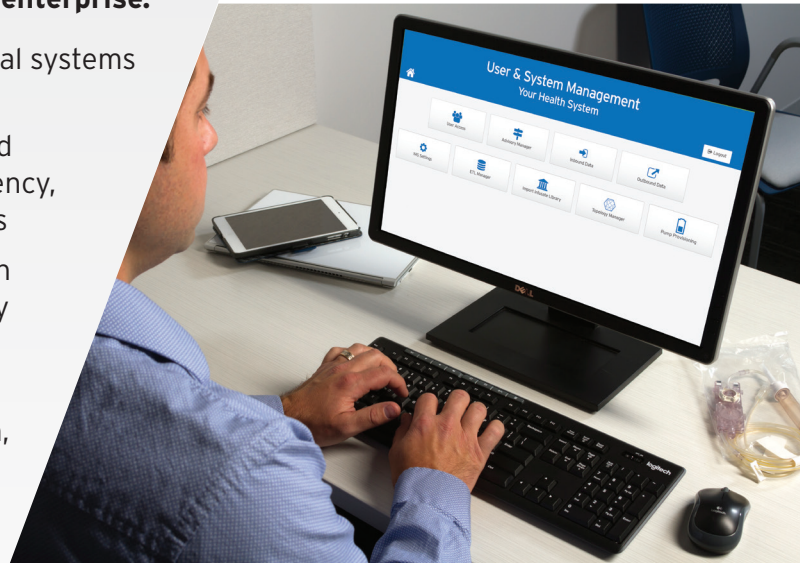


Automatic occlusion resolution helps reduce nuisance alarms.

Ivenix Infusion Management System (IMS)

Comprehensive suite of end-to-end administration tools, applications, analytics and dashboards to efficiently manage infusion pumps and interoperability between clinical information systems, scalable from the hospital to the health enterprise.

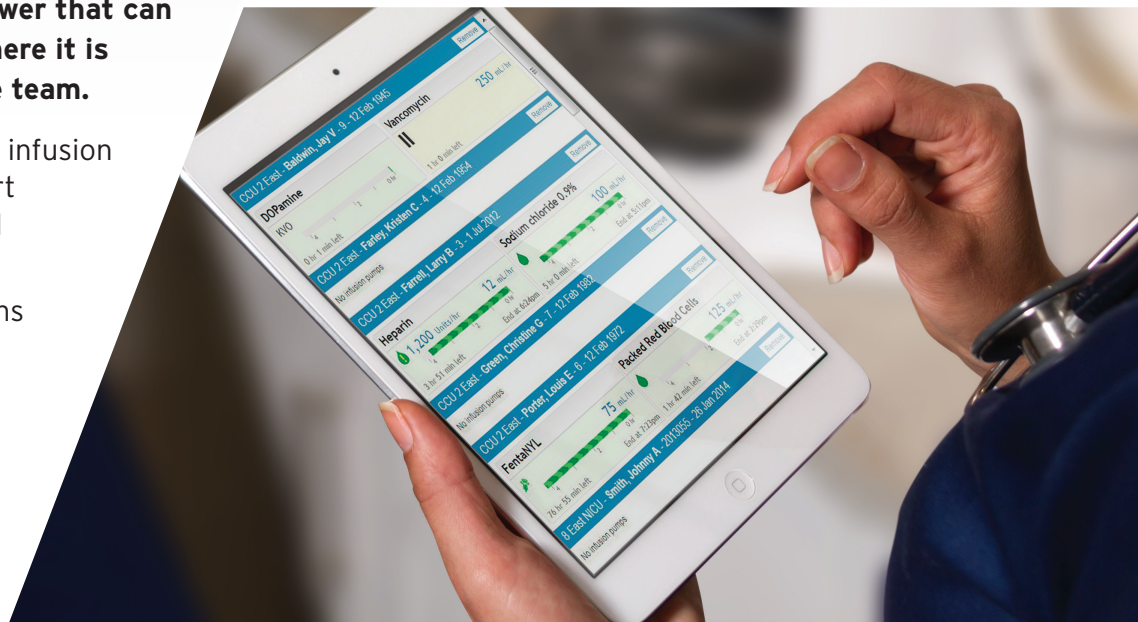
- Engineered for interoperability with EMR and clinical systems for patient-specific programming and orders
- Advanced drug library with online collaboration and analytics helps improve library management efficiency, including rapid optimization of drug library updates
- Built-in interface engine supports seamless infusion data integration with the EMR and other third party information systems
- System dashboard remotely monitors location and status of the pump fleet, including pump utilization, health, drug library, and firmware updates
- Analytics and reporting to optimize alarm settings and to monitor charge capture



Ivenix Infusion Dashboard

Supports clinician management of multiple patients and their infusions with a remote clinical viewer that can be accessed when and where it is needed by the entire care team.

- Mobile viewing of patient infusion status and alarms support workflow efficiencies and staff responsiveness
- Real-time view of infusions by care area for drug library compliance and enhanced surveillance
- Display of infusion details supports nurse communication and hand-offs



Your ally in transforming infusion delivery

Fresenius Kabi brings you the latest in infusion smart pump technology and backs it with exceptional customer service.

Fresenius Kabi is a global health care company that specializes in lifesaving medicines and technologies for infusion, transfusion, and clinical nutrition. We may be new to you, but our heritage goes back more than 100 years. We deliver unique scientific capabilities, state-of-the-art manufacturing and distribution facilities, and exceptional customer service—around the globe and across the U.S.

Driven by our philosophy, caring for life, we are committed to putting essential medicines and technologies in the hands of people who help patients and finding the best answers to the challenges they face.

Most infusion smart pumps rely on technology developed more than a decade ago. Fresenius Kabi's Ivenix Infusion System is re-engineered from the ground up to fundamentally transform infusion delivery. We believe that infusion technology should put patients first with enhanced outcomes and a better patient experience, while dramatically improving clinical workflow and efficiency. It's what inspires us, motivates us, and brings us together for the shared purpose of delivering infusion innovation to health care. It's what makes us your ally.

Join us in transforming infusion delivery.



Learn more at [ivenix.com](https://www.ivenix.com)

IVENIX
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