

Introducing the ICU Medical

IV Performance Platform

Plum™ Precision Infusion Pumps with LifeShield™ Infusion Safety Software

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Introducing the ICU Medical IV Performance Platform

Lead a new wave of IV therapy performance with an intuitive platform designed to help bring safety, simplicity, and clarity to patient care. Comprised of Plum precision IV pumps and LifeShield IV safety software, this fully IV-EHR interoperable, future-ready platform empowers you to raise the performance of your IV therapy practice—enhancing safety and efficiency across all IV touchpoints.



Plum Precision IV Pumps with LifeShield IV Safety Software

Plum pumps bring reliable accuracy in a flexible, clinician-friendly single- or dual-channel design, while LifeShield software unites medication management with seamless data and collaboration. Together, they empower clinicians with unmatched precision, streamlined workflows, and trusted performance.



Plum Precision IV Pumps

Performance You Can Trust, Simplicity You Can Feel



Unprecedented Accuracy

Unlike traditional pumps, Plum precision IV pumps provide $\pm 3\%$ unmatched accuracy, no matter where the bag, pump, or patient is positioned.

Unmatched Usability

Designed to think like a nurse, these pumps simplify workflows—fewer burdens, smarter guidance, and more focused care.



Designed to Support, Built to Anticipate

Take the guesswork out of your workflow with a modern, intuitive interface.



A Clear View for Confident Care

Plum precision IV pumps feature a vibrant high-definition durable display, providing clear, critical information at a glance, reducing menu navigation and accelerating decisions.

Streamlined, Smarter Programming

Plum pumps are designed to think ahead, guiding every step for faster programming and fewer errors. Enter the rate, and it prompts for volume—simplifying workflows and easing mental strain.

Safety and Support at Your Fingertips

Safety feedback empowers clinicians, bringing pharmacy expertise to the bedside. Clear dose limits and automated calculations reduce errors, save time, and simplify care—helping make every infusion safer and more efficient.

A Calmer Environment for You and Your Patients

Have the support you need to deliver undistracted care in a calm, patient-centered environment by spending less time troubleshooting interruptions or managing tasks.



Reduce Disruptions

Plum pumps simplify alarm handling with clear on-screen prompts, multiple prioritized alarms, and distal occlusion auto-reset that lets some alarms self-resolve—helping keep infusions on track.

Experience a Whisper-Quiet Motor

Even at the highest infusion rates, the Plum pump's quiet motor operates with minimal noise, creating a more peaceful and calm environment for both patients and healthcare providers.

Capture Air Before It Interrupts

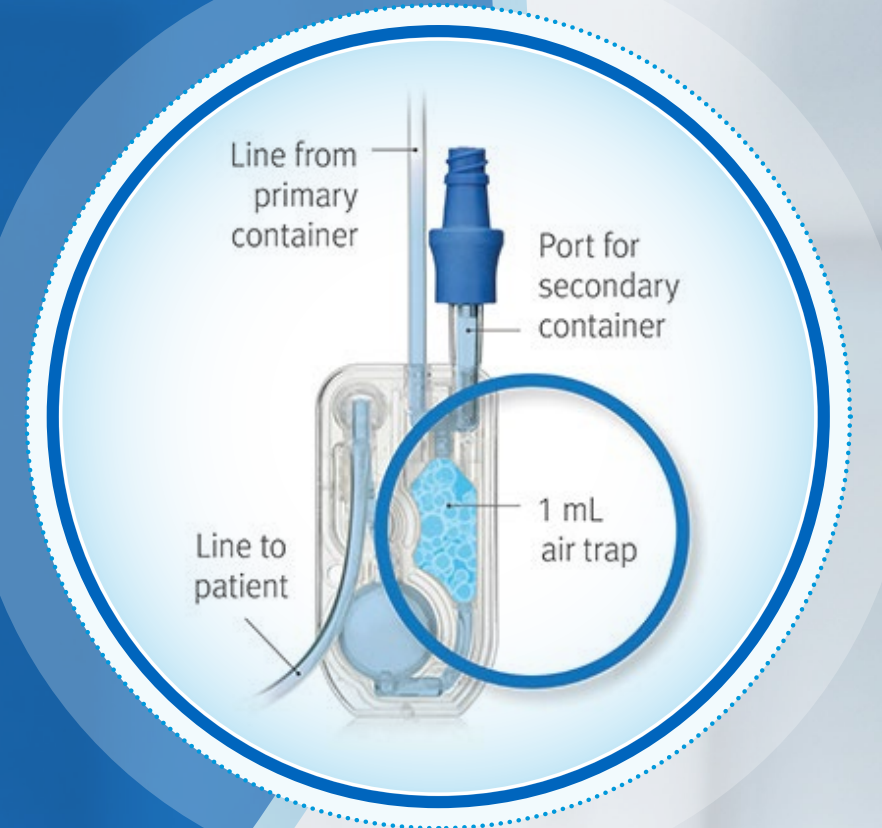
The built-in air trap captures up to 1 mL of air before triggering an alarm, reducing the frequency of unnecessary air-in-line alerts and minimizing infusion interruptions.

Plum technology

Competitor

0 Alarms | 21 Alarms

In a simulated chemotherapy infusion of paclitaxel, Plum technology stood apart—delivering treatment with zero air-in-line alarms.



Real-World Precision

More Than Just Accuracy, It's Consistency You Can Trust

Traditional infusion pumps are built for perfect conditions—conditions that don't exist in the real world.

Plum precision pumps don't depend on gravity or perfect setups, consistently delivering unprecedented **±3% accuracy**, helping to ensure what you intend is what's actually delivered.



Remove Variability in Real-World Conditions

Real-world variables like bag placement, secondary lines, patient position, and even medication viscosity can all affect traditional pump accuracy, making them a hidden liability that jeopardizes care and distorts data.

Plum precision pumps consistently deliver $\pm 3\%$ accuracy, helping to ensure reliable accuracy and avoiding the financial toll of imprecise care.

Deliver Every Drop

By alerting nurses to closed clamps or obstructions, these pumps help prevent errors and ensure secondary medications are administered exactly as intended. And unlike traditional pumps that leave medication behind, Plum pumps can infuse piggybacks to empty and flush the line, giving patients the full dose they need in the time intended.

Document What You Actually Deliver

By eliminating the noise and confusion caused by inaccurate infusion data, you build a dependable foundation for decision-making. Every drop counts and is counted.





Confidently Manage Complex Infusions

In high-acuity environments, space is tight, precision is paramount, and multiple infusions must be managed.

Available in both single- and dual-channel designs, Plum pumps offer the format flexibility to match your specific needs while bringing simplicity and reliability to high acuity.



Simplify Setup, Streamline Care

Plum precision IV pumps let nurses hang infusions where they make sense—no bag height concerns, no complex setups. They can also deliver secondary infusions directly from a syringe, adding operational flexibility.

Declutter the Patient Space

Too many pumps and tangled lines create chaos. Plum precision pumps deliver up to four compatible medications through one pump, reducing clutter and conserving space. Fewer pumps and lines mean an organized workspace, helping nurses focus on patients, not equipment.

Deliver Precision Under Pressure

In critical care, there's no room for error. These pumps deliver precise, uninterrupted infusions, even at low flow rates. Smart features like clamp alerts and air traps prevent disruptions, helping to ensure patients receive continuous care without interruptions.



More Than Pumps

It's Infusion Performance
Powered by Great Software



LifeShield™ Infusion Safety Software

Bring Teams Together for Safer, More Streamlined Care



Streamline Collaboration

Connect pharmacy, nursing, biomed, and IT to see the same data, share updates in near real time, and keep IV medication management moving.

Simplify Patient Safety

Keep protocols sharp, reduce errors, and enhance responsiveness with near real time data and a modern intuitive interface designed to simplify, support, and empower.

Unify Medication Management in a Single Platform



Drug Library Management

Easily manage medications, clinical care areas, rulesets, and drug libraries with shared cloud access from anywhere, anytime.

Device Manager

View asset and operational information about infusion pumps or initiate hands-free drug library and software updates whenever, wherever.

Clinical Dashboards and Reports

Make the most of your data and help drive faster continuous improvement with near real-time data access and the ability to create customized reports.

Account Manager

Enabling control of system-wide access from anywhere, anytime, users can manage security and monitor storage, networking, and user accounts.

Scalable, Secure, and Always in Control

LifeShield combines the reach of the cloud with the reassurance of on-premises security. Manage your entire enterprise from anywhere while keeping the control and confidence of your local network intact.



Simplify Patient Safety Through Intuitive Infusion Management

LifeShield's user-friendly interface simplifies every touchpoint—whether you're building drug libraries, maintaining pump fleets, or analyzing data.

Clear and Consistent Drug Library Updates

Drug library change summaries ensure clarity, offering a concise overview of updates. Pharmacy pushes protocols fleet-wide instantly, helping equip nurses with the latest safety standards and eliminate inconsistencies.

Pharmacy Expertise at the Bedside

LifeShield goes beyond managing infusion systems—it empowers pharmacy to shape safer care. Tailored medication rules for conditions, care areas, and delivery methods reduce guesswork, eliminate workarounds, and ease nurses' cognitive load.



“You just know
what’s going on”

— Oncology Nurse



Building on Innovation to Drive Transformation

From creating the first safe IV connector to inventing a modern cassette-based family of devices and IV-EHR interoperability, we have a history of pioneering solutions that address significant clinical challenges. Now, we're building on that legacy with breakthrough innovations that deliver precision, connectivity, and safety like never before.

The Foundation of IV Safety

A track record of meaningful innovation, advancing healthcare with reliable infusion delivery, powerful connectivity, and award-winning clinical performance



Cassette-based Delivery

Revolutionized infusion therapy, fortified by Clave™ connectors for enhanced infection control.



IV-EHR Interoperability

Pioneered auto programming, documentation, alert forwarding, and real-time locations services.



Award-winning Clinical Excellence

Plum 360™ earned the highest rating for pump performance eight years in a row, every year it was eligible.*



IV Performance Platform

Introduction of cloud-based safety software and the first precision infusion pump, beginning the next wave of IV safety.

The New Wave of IV Safety

A moment of opportunity for healthcare to extend visibility and remove variability, propelled by the adoption of precision infusion devices with robust, secure, and flexible connectivity



Precision Syringe

Ensure data integrity and infusion accuracy for fragile patients, critical therapies, and specialty infusions.



Pain and Ambulatory

Deliver accurate medication on the move, ensuring patient comfort, therapy efficacy, and data tracking.

* 2021, 2022, 2023, 2024, 2025 Smart Pumps – EMR-Integrated; 2018, 2019, 2020, 2023 Smart Pumps

A group of four healthcare professionals are walking through a bright, modern hospital hallway with large windows. On the left, a woman in a white lab coat and stethoscope is gesturing while talking to a man in blue scrubs. Next to him is an older man in a white lab coat. On the right, a woman in blue scrubs is holding a clipboard and looking towards the group. The scene is well-lit with natural light from the windows.

Our Commitment to Smooth, Successful Implementations and Lasting Support

The ICU Medical IV Performance Platform is more than pumps and software—it's a partnership. We equip your team with the training, tools, and expert support needed to deliver care with confidence, today and tomorrow.

When you partner with ICU Medical, you gain:

Expert Training: Targeted support for pharmacists, nurses, biomed staff, and IT professionals

Seamless Integration: Smooth device and software setup within your IT environment

Accurate Planning: Dedicated project management to avoid surprises

Reliable Support: 24/7 technical assistance, rapid repairs, and pump-guided, software-driven preventive maintenance

We're not just implementing a platform. Together, we're building a foundation for exceptional care. From day one—and every day after—we'll be available to support your success.

Intended Use: The Plum Duo™ and Plum Solo™ Precision IV Pumps are intended for administration of medications and whole blood and blood products through the following routes of administration: intravenous, intra-arterial, and subcutaneous.

The Plum Duo and Plum Solo Precision IV Pumps are intended for use in clinical environments in the hospital and other outpatient healthcare facilities by licensed healthcare professionals.

These healthcare professionals are trained in the use of the infusion pump and the administration of therapies consistent with the intended use.

The Plum Duo and Plum Solo Precision IV Pumps are intended for adult, pediatric (including infants and children), and neonatal patient populations.

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