

# The ZOLL® Infuser

Controlled IV boluses.  
Hands-free fluid resuscitation.



**ZOLL**  
Advancing Resuscitation. Today.™

# Take control of fluid resuscitation.

For patients suffering from traumatic injury or dehydration, prehospital protocols typically call for the infusion of IV fluids. Increasingly, the EMS community is learning the importance of control. Too much fluid might dislodge clots and dilute the blood's oxygen carrying capacity in patients with uncontrolled hemorrhage,<sup>1</sup> or cause other complications such as pulmonary edema that appear after the patient

has been passed off to the hospital. On the other hand, critically hypovolemic patients can die without adequate prehospital intervention, particularly if they cannot be delivered to a hospital quickly.

The new ZOLL® Infuser offers an unprecedented level of control when infusing IV fluids or blood. Whereas the limit on volume with traditional gravity or pressure bag driven infusions might be the end of a liter bag, the Infuser can deliver an automatic 250mL bolus at the push of a button. It can infuse this bolus rapidly – 250mL in two-and-a-half minutes – but it can also be turned down as low as 200mL per hour for more stable patients.

Developed in cooperation with the Walter Reed Army Institute of Research, this device is the first portable electronic pump specifically intended for fluid resuscitation, not drug delivery. It was built for the battlefield – small, rugged, easy-to-use, approved for use in aircraft – and is more than ready for the rigors of the EMS world.

The ZOLL Infuser is just one of a full line of integrated resuscitation solutions designed to help rescuers improve practices and save lives. For more information, call 800-804-4356 or visit [www.zoll.com](http://www.zoll.com).

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***Improve adherence to protocols;  
ensure adequate, but  
not excessive, hydration.***

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*"The ZOLL Infuser provides EMS with the means to accurately deliver prehospital IV fluid in accordance with established protocols. The control provided by the ZOLL Infuser minimizes the chance of under or over hydration in our patients."*

– David Jaslow, MD, MPH, FAAEM  
Chief, Division of EMS,  
Operational Public Health and Disaster Medicine,  
Department of Emergency Medicine,  
Albert Einstein Medical Center



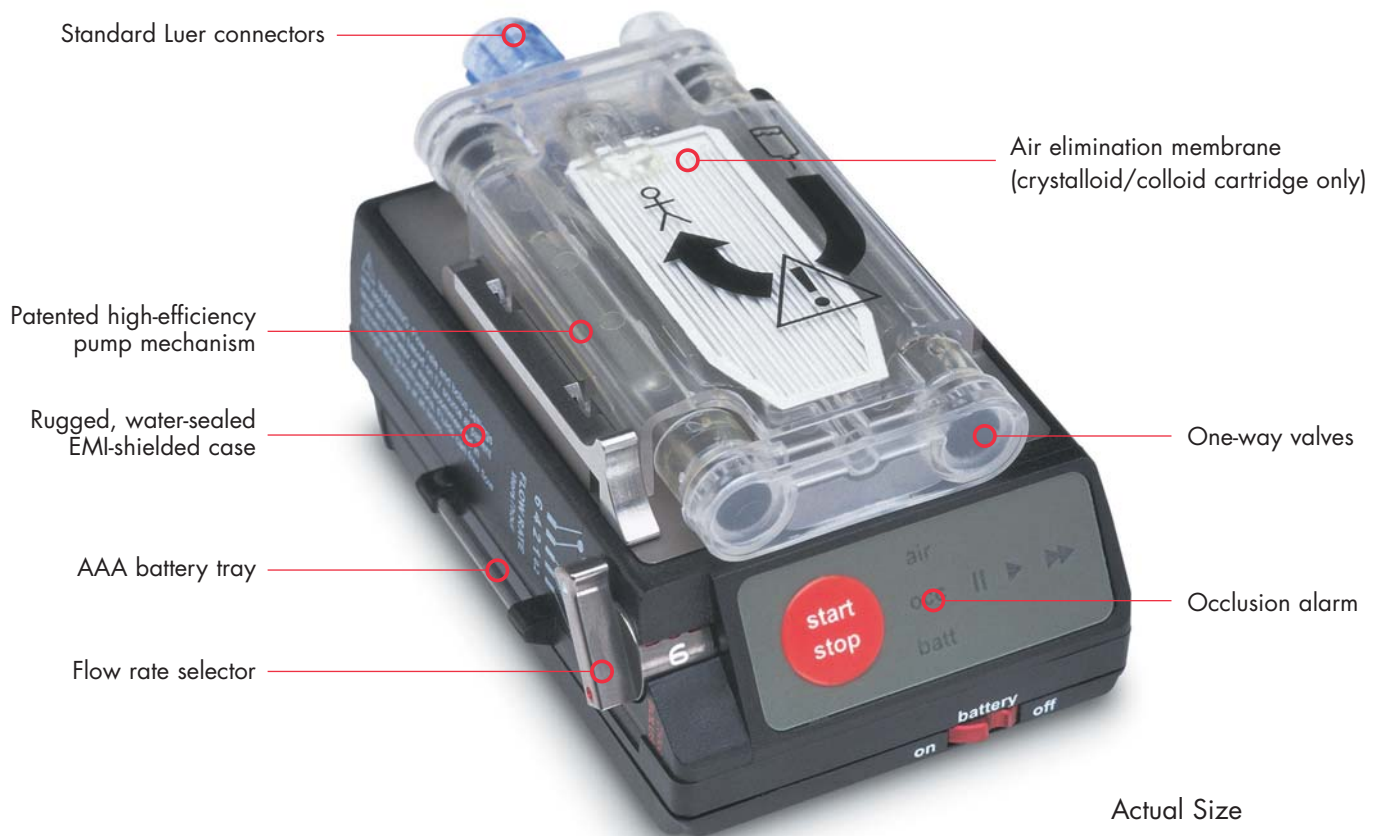
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**An extra hand when  
you need it most.**

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The unique pump mechanism, one-way valves and air eliminating membranes built into the cartridge allow the Infuser to operate in any orientation. EMS personnel can place the IV bag on or even below the patient to simplify extraction or transport, while freeing up a valuable pair of hands.



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**A miniature pump  
for controlled delivery of  
IV fluids and blood.**

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With more than 20 years of experience in defibrillation, ZOLL is a pioneer in resuscitation solutions. ZOLL develops technologies to help advance the practice of resuscitation. With products for pacing, defibrillation, circulation, ventilation, data management, and fluid resuscitation, ZOLL provides a comprehensive set of technologies that can help clinicians, EMS professionals, and lay rescuers resuscitate sudden cardiac arrest and trauma victims.

# ZOLL®

Advancing Resuscitation. Today.™



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