

Power Infuser®

ZOLL®



Controlled IV Boluses  
Hands-free Fluid Resuscitation

# 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 transferred 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 ZOLL® Power 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 Power 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.



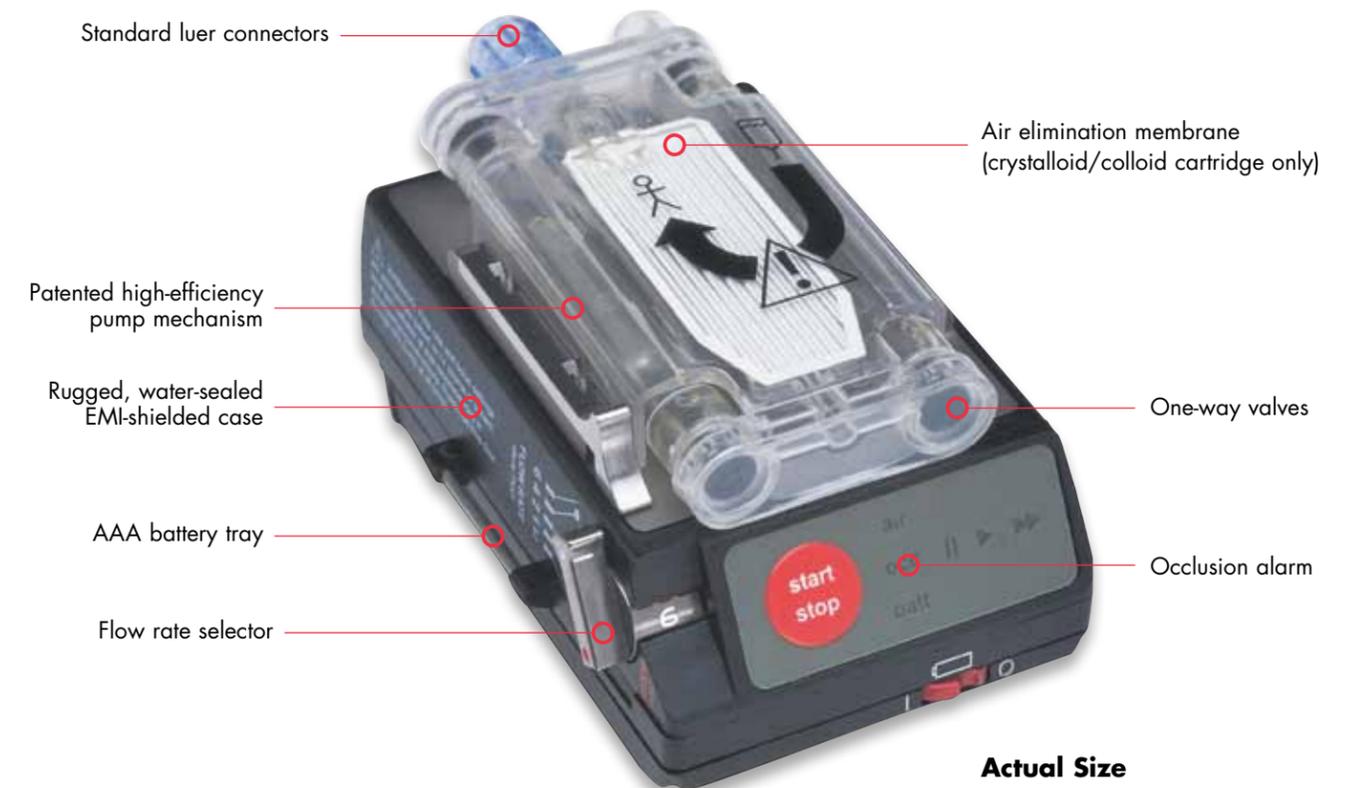
*The unique pump mechanism, one-way valves, and air-eliminating membranes built into the cartridge allow the Power Infuser to operate in any orientation.*

## An Extra Hand When You Need it Most

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 ready for the EMS world.



*Military personnel can place the IV bag on or even below the patient to simplify extraction or transport, while freeing up a pair of hands.*



## A Miniature Pump for Controlled Delivery of IV Fluids and Blood

# Improve Adherence to Protocols

## Ensure Adequate, but not Excessive, Hydration

"The Power Infuser provides EMS with the means to deliver prehospital IV fluids accurately, in accordance with established protocols. The control provided by the Power 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

The Power 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).



*A compact pump also for controlled delivery of whole blood and pRBCs when used with the blood cartridge (shown in red).*

<sup>1</sup>Pepe P, Mosesso VN Jr, Falk JL. *Prehospital Emergency Care*. 2002;6(1):81-91.

8700-0600-01  
NSN 6515-01-499-5112  
Power Infuser model M100B-3A. Includes bolus setting and uses standard AAA batteries. One each.

8700-0601-01  
NSN 6515-01-466-1488  
Crystalloid/Colloid Pump cartridges for the Power Infuser. Includes 18 in. pump-to-patient tubing set. Sterile, single-use only. Case of ten.

8700-0602-01  
NSN 6515-01-543-5684  
Blood Pump Cartridges for the Power Infuser M100B-3A. Includes 18 in. pump-to-patient tubing set. Sterile, single-use only. Case of ten.

8700-0606-01  
NSN 6515-498-2252  
Power Infuser M100B-3A Pump & Accessory Kit. Includes pump, two boxes of cartridges, pole clamp and six AAA batteries. One each.

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