

ZOLL®



IMPROVING OUTCOMES FOR
EVERY ROLE IN MILITARY HEALTHCARE

OUR MISSION

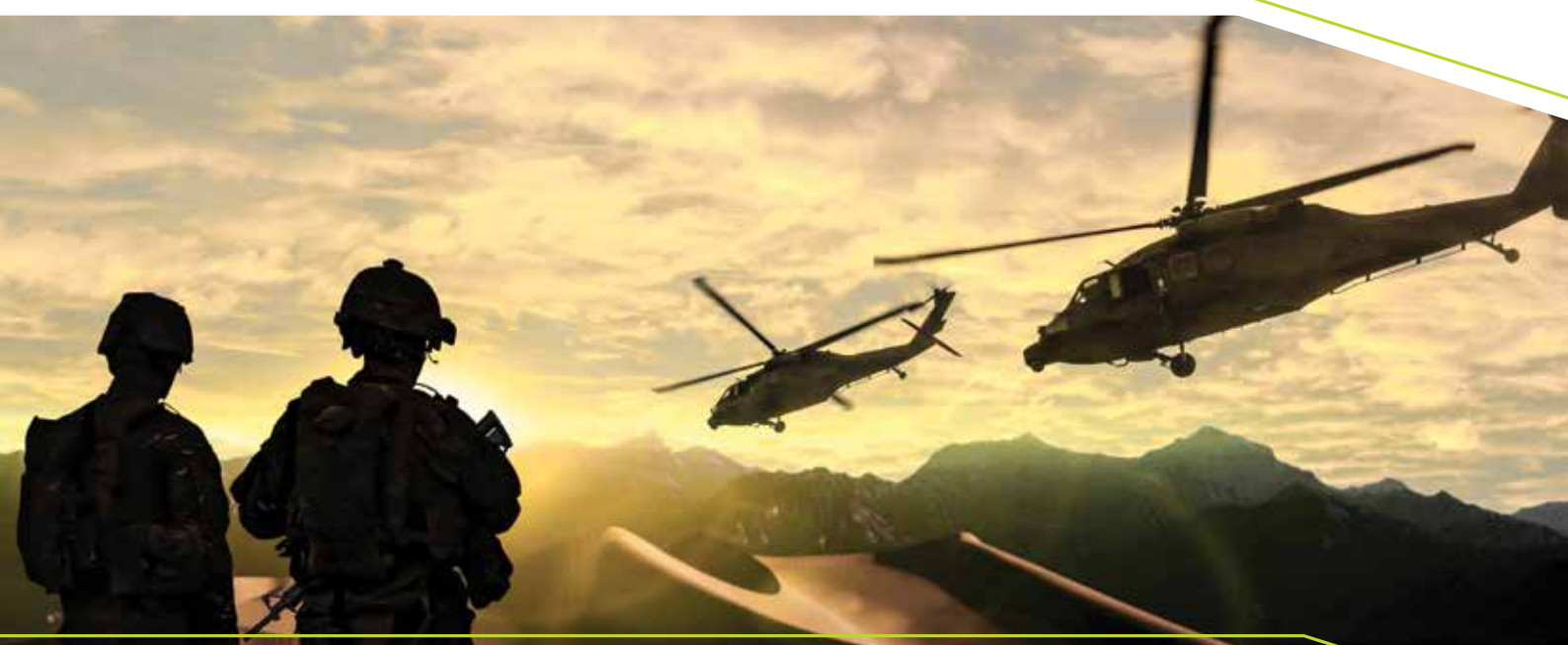
Supports Your Mission

For more than 25 years, ZOLL has been a trusted partner delivering acute critical care technologies to the military. ZOLL is proud to honor your trust with unmatched commitment to those who care for others during operational, humanitarian, disaster, and peacetime missions.

Through unparalleled ease of use and superior clinical technology, ZOLL helps improve survival outcomes and operational efficiencies. Thus, ZOLL devices are the standard products of choice by many militaries in U.S., NATO, and global coalition partners.



ZOLL is proud to support the USNS Mercy and USNS Comfort medical missions associated with multinational disasters and peacetime humanitarian responses.



At ZOLL, we are passionate about delivering on our commitment while helping to enhance clinical quality, patient experience, operational efficiency, and value.

Quality of Care Everywhere

All ZOLL products are extensively utilized within hospitals and EMS/HEMS, throughout medical evacuation vehicles and aircraft, in battalion aid stations, on hospital ships, in field hospitals, and in far-forward locations by Special Operations teams. In addition to its military use, ZOLL's leading resuscitation and acute critical care technology improves outcomes and helps clinicians, EMS and fire professionals, and lay rescuers provide life-saving care every day.

Military Airworthiness Equipment

ZOLL's commitment to support military missions for clinical, technical, and operational training is provided by a dedicated and experienced team with years of clinical, biomedical, and military training experience. ZOLL has experience designing Military Airworthiness Equipment as well as a history of collaborating with militaries to design needs-based military solutions. Collaborative customer-driven technology development is centered on ZOLL's core competency of providing reliable, evidence-based technologies that improve clinical outcomes.

SOLUTIONS

For Every Role and Environment



Force Health Protection

Protecting your soldiers' health is a top priority for you—and for us. ZOLL resuscitation solutions demonstrate our commitment to maximum military readiness by helping to improve, conserve, and restore service members' health.



ResQCPR® System



ZOLL AED 3® BLS

- AED Plus®
- X Series®
- AutoPulse®



Military/Civilian Cooperation

Reliability and ease-of-use are critical in disaster relief and humanitarian missions. When military and civilian cooperation is key, such as in EMS/HEMS scenarios, ZOLL delivers.

- AED Pro®
- EMV4®
- 330 Multifunction Aspirator™
- Mobile Streaming
- AutoPulse
- Data/12-lead ECG Transmission



Propaq MD®



330 Multifunction Aspirator

Military Hospitals

Deliver high-quality care both within and outside the hospital. ZOLL solutions help military clinicians provide life-saving care during every aspect of resuscitation: electrical, resuscitation, airway management, enhanced perfusion, and temperature management. Post-event, our comprehensive software solutions support continuous quality improvement.



- ZOLL AED 3 BLS
- ResQPOD®
- X Series
- Z Vent
- AutoPulse



Thermogard XP



R Series®

Operational and Peace-keeping Missions

From Role 1 to Role 4, ZOLL acute critical care solutions deliver consistently reliable patient support across the life-saving journey. Our solutions are field-proven for patient transport and certified for use on rotary and fixed-wing aircraft, driving multinational interoperability to facilitate safe patient handoffs, treatment, and evacuation to definitive care.




EMV+



Propaq M®

- ResQGARD®
- Power Infuser
- Propaq MD®
- Telemedicine
- 330 Multifunction Aspirator
- SMEED




 Approved for use during all phases of flight aboard U.S. Air Force and Army aircraft. Refer to Military certification documents for details.

Propaq M

ZOLL's trusted and proven vital signs monitor is specifically designed for the rigors of military and aeromedical operations. Rugged and lightweight, Propaq M features:

- Best-in-class monitoring and diagnostic technologies for BLS, ALS, and trauma patients
- Multiple display modes for operations in bright sunlight or at night
- Battery system and PC power charger for worldwide sea, land, and air operating capabilities
- Robust communication options for flexible data sharing and streaming
- An optional integrated printer



 Approved for use during all phases of flight aboard U.S. Air Force and Army aircraft. Refer to Military certification documents for details.

Propaq MD

The Propaq MD monitor/defibrillator is an ultra-lightweight, airworthy device that provides advanced monitoring capabilities. Propaq MD has integrated, ZOLL evidence-based features:


- ERC and AHA Guidelines-compliant and proven to reduce time to shock and increase survival rates
- Published clinical efficacy and superiority for both defibrillation and pacing waveforms
- Low-energy, high-current biphasic defibrillation technology for manual and semi-automatic defibrillation
- Audio and visual feedback via Real CPR Help®
- See-Thru CPR® technology to help rescuers deliver high-quality CPR and minimize pauses



EMV+ 731 Series

The EMV+® 731 Series is a rugged, yet lightweight, portable ventilator that offers the option of attaching a CBRN filter. Designed to meet military transport standards, the EMV+ 731 Series has Airworthiness Release and Safe-to-Fly on rotary and fixed-wing military aircraft. In addition, the EMV+ 731 Series features:

- AC, SIMV, CPAP, and bi-level ventilation modes—volume—and pressure-controlled
- An energy-efficient, integrated, high-flow compressor and oxygen system
- An unprecedented 10-hour battery runtime and multisource power system
- Fully reflective LCD and Silent and Dark mode capabilities for operation in all light conditions
- Altitude compensation from -2,000 to 25,000 feet


 Approved for use during all phases of flight aboard U.S. Air Force and Army aircraft. Refer to Military certification documents for details.



330 Multifunction Aspirator

The 330 Multifunction Aspirator is a portable, self-contained suction device that can customize suction based on the clinical procedure. It provides continuous and intermittent suction capabilities as well as:

- A fully reflective LCD with Silent and Dark mode capabilities for operations in any light condition
- Altitude Compensation and U.S. Army AWR and Safe-to-Fly certification

 Approved for use during all phases of flight aboard U.S. Air Force and Army aircraft. Refer to Military certification documents for details.





AutoPulse Resuscitation System

AutoPulse® is a mechanical chest compression system designed to deliver high-quality automated CPR to victims of sudden cardiac arrest. Compared to manual CPR, AutoPulse:

- Helps improve blood flow to the heart and brain by squeezing the patient's entire chest
- Automatically sizes to the patient
- Has improved outcomes in numerous clinical trials¹
- Has been shown to reduce interruptions in compressions during transport by more than 85%²



R Series

The R Series® monitor/defibrillator is a battery-operated hospital monitor/defibrillator featuring cutting-edge technology to help meet current guidelines for achieving high-quality CPR.

The R Series features:

- A CPR Dashboard™ featuring Real CPR Help, which guides rescuers with real-time audio and visual feedback on CPR quality measures
- OneStep™ electrodes that simplify and speed therapy
- Optional with pacing, SpO₂, NIBP, and EtCO₂
- Unique pediatric algorithm and CPR electrodes
- Defibrillator Dashboard™ software streamlines fleet management, records daily self tests, and ensures defibrillator readiness



Thermogard XP Temperature Management System

Patients reach target temperature quickly and accurately with the Thermogard XP® (TGXP).^{3,4} TGXP offers:

- Superior clinical efficiency in reaching and maintaining target temperature 100% of the time.^{3,8}
- The ability to tailor individual treatment with a variety of standard central venous catheters (CVCs)
- Unmatched control regardless of target temperature
- Cooling to 36°C or 33°C



ZOLL AED 3 BLS

The ZOLL AED 3[®] BLS automated external defibrillator is designed for professional rescuers. It provides:

- In-depth rescue support for both adult and child victims of sudden cardiac arrest (SCA)
- Guidance for rescuers in delivering high-quality CPR
- One of the fastest post-compression shock times in the industry



AED Pro

The AED Pro[®] automated external defibrillator is a portable defibrillator and basic monitor for 3-lead ECG monitoring. It features semi-automatic or manual defibrillation capabilities as well as:

- Real CPR Help and See-Thru CPR to ensure delivery of high-quality CPR
- Extended USB storage that allows immediate data transfer without leaving the scene



AED Plus

The AED Plus[®] automated external defibrillator is for lay rescuers. The AED Plus makes defibrillation as simple as possible with these features:

- Helps rescuers nearly triple survival rates⁹
- Real CPR Help and See-Thru CPR to help ensure delivery of high-quality CPR
- Fully automatic option
- A user-friendly defibrillation electrode design to help ensure fast and accurate placement



Power Infuser

Power Infuser® portable electronic infusion pump is designed specifically for the management of IV fluid and blood. Operating for up to eight hours on six AAA batteries, the Power Infuser:

- Features adjustable flow rates from 0.2 to 6 liters per hour
- Infuses an automated 250 cc bolus in 2.5 minutes—without elevating or pressurizing the IV bag
- Features membranes in the cartridge to remove air from the line
- Is compatible with commercially fluid warmers



ResQCPR System

The ResQCPR™ System is a CPR adjunct.

- The system comprises two synergistic devices—the ResQPOD® ITD 16 and the ResQPUMP® ACD-CPR device.
- Together, they've been shown to improve survival following cardiac arrest
- A major clinical study of more than 1,600 patients showed a 53% increase in neurologically intact survival from cardiac arrest.¹⁰



ResQGARD ITD

Buy time with the ResQGARD® ITD. ZOLL's impedance threshold device provides a rapid, safe, and noninvasive way to improve perfusion in spontaneously breathing hypotensive patients. ResQGARD ITD is easily administered to:

- Increase blood pressure during hypotension from a variety of causes, including early sepsis, trauma, and heat shock
- Increase systolic and diastolic blood pressure
- Improve cerebral blood flow
- Reduce intracranial pressure

SUPPORT SERVICES

To Help You Succeed

ZOLL knows the importance of providing quality and timely services to customers in more than 140 countries. Each of our support organizations is staffed with knowledgeable, extensively trained support professionals who understand the role ZOLL plays in helping you carry out your mission. We continue to expand our reach and our product offerings. Stringent quality control and regulatory compliance programs have enabled the company's excellent record of accomplishment in uninterrupted product delivery. Whether you need clinical or technical support, technical training, or emergency support, we pride ourselves on providing the services and resources you need to succeed.

Deployment Services

A ZOLL project manager is your point of contact during the transition process. The project manager is responsible for coordinating an array of ZOLL resources to execute your specific project plan, from assembly of devices through to the training of your entire field team. Your project manager starts by collaborating with you on a comprehensive deployment plan. The plan details the stages, tasks, and resources applied to ensure a smooth and successful transition.

Technical Support

ZOLL is dedicated to delivering world-class technical support and service in each market served, whether through our own service departments or certified local agents and service partners. Certification requires partners to hire qualified personnel, invest in ZOLL-specified equipment, and demonstrate competency with product-specific troubleshooting and repair protocols. Service partner activities are incorporated into the ZOLL Corporate Quality tracking system. All our technicians have extensive experience in technical and clinical applications, electronics, and process quality control.







DIGITIZATION AND TELEMEDICINE

Using Digital Data to Help Improve Outcomes


Military missions require continuum of care and the ability to gather, transmit, and securely share clinical data in a timely manner – anywhere, anytime, and under any circumstance.

At ZOLL, our mission is to improve clinical outcomes — not only by using superior, clinically proven technologies but also by managing and transmitting Digital Patient Information and Case Data within your own secure military network.

From the field to hospitals and more, ZOLL technologies securely stream digital near real-time clinical data and waveforms to optimize overall patient care by:

- Providing situational awareness at receiving facilities, improving transport decisions and triage during medevac missions
- Enabling the medic's ability to access remote clinical support during prolonged field care
- Securely sharing data in a real-time environment

In addition, multiple critically ill patients can be viewed simultaneously via a centralized monitor in a field hospital or during aeromedical transport. All digitized patient data can be recorded for patient-care documentation and integration with third-party systems, registries, and post-case review.



The standard choice for the U.S. military, NATO members,
and global coalition partners.



¹ Bobrow BJ, et al. *Ann Emerg Med.* 2013 Jul;62(1):47-56.e1.

² Westfall M, et al. *Critical Care Medicine.* 2013;41(7):1782-9.

³ Hoedemaekers CW, et al. *Critical Care.* 2007;11:R91.

⁴ Knapik P, et al. *Kardiologia Polska.* 2011;69(11):1157-1163.

⁵ Mayer SA, et al. *Critical Care Medicine.* 2004;32(12):2508-2515.

⁶ Diringner MN, et al. *Critical Care Medicine.* 2004;32(2):559-564.

⁷ Heard KJ, et al. *Resuscitation.* 2010;81:9-14.

⁸ Horn CM, et al. *Journal of Neurointerventional Surgery.* 2014 Mar;6(2):91-95.

⁹ Wik L, et al. *Resuscitation.* 2014;85:741-748.

¹⁰ Aufderheide, T, et al. *Lancet* 2011;377(9762):301-311

ZOLL MEDICAL CORPORATION

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