

ZOLL®

A full-page photograph showing three military medics in tan uniforms and helmets loading a patient onto a stretcher. The patient is lying on the stretcher, which is being moved towards the open side door of a military helicopter. A medical monitor is visible on the stretcher. The scene is set on a tarmac with mountains in the background under a clear sky.

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 an 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 for many militaries in the U.S., NATO forces, 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.



ZOLL is passionate about its commitment to providing technologies that enhance clinical outcomes, ensure mission readiness, and provide operational efficiencies and interoperability across the continuum of care.

Quality of Care Everywhere

ZOLL products are extensively utilized throughout the entire military healthcare system in support of the warfighter and for casualty treatment within the En-Route Care System.

ZOLL's leading resuscitation and critical care technologies are field-proven in all roles of operational medical care on the battlefield, in aeromedical evacuation and transport, in field hospitals, and in garrison for definitive care. ZOLL technologies are reliable, ready, and trusted to treat our warfighters anywhere on land, sea, or air.

Military Airworthiness Equipment

ZOLL has extensive experience engineering Military Airworthiness Equipment that meets the rigorous requirements of the Joint En-Route Care Equipment Test Standards (JECETS) in austere environments. With a strong history of collaboration with militaries to deliver customer-driven requirements, we are proud to have been selected as the provider of airworthy devices for Patient Movement Items across the military services. ZOLL has also been awarded multiple contingency contracts as a critical supplier of medical equipment to meet surge demands during disaster, humanitarian, and operational needs.

SOLUTIONS

For Every Role and Environment



Force Health Protection

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



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®
- EMV+®
- 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 monitoring, ventilation, defibrillation, perfusion, data, and temperature management resuscitation solutions deliver the most advanced capability in the smallest, lightest, and most rugged devices for austere environments. 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 technology to help improve CPR quality
- ZOLL RapidShock™ technology that can help reduce pause times, which the ERC Guidelines have attributed to increased survival rates¹
- 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




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

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 trans-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





AutoPulse Resuscitation System

AutoPulse® Resuscitation System 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 trials²
- Has been shown to reduce interruptions in compressions during transport by more than 85%.³



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 device 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).^{4,5} TGXP offers:

- Superior clinical efficiency in reaching and maintaining target temperature 100% of the time.⁴⁻⁹
- 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 rates¹⁰
- Real CPR Help and See-Thru CPR to help ensure delivery of high-quality CPR
- Fully automatic option
- A user-friendly defibrillation electrode design that helps 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 250cc 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.¹¹



ResQGARD ITD

Buy time with the ResQGARD® ITD impedance threshold device. It 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

ZOLL's support starts with the sale. Our team understands where you are using our equipment, how you are using it, and on whom you are using it. We provide whatever training is necessary to ensure you are confident in how to field and employ your ZOLL devices to best care for your patients.

Technical Support

ZOLL is dedicated to delivering world-class technical support and training in each market served. Our electronic distance-learning capabilities enable us to train and support maintenance technicians who are physically challenged or geographically separated.

As your partner in life-cycle maintenance, ZOLL equipment is compatible with many test equipment solutions, allowing technicians to properly maintain ZOLL equipment that can be serviced with ZOLL-specific test equipment or with your existing test equipment to troubleshoot and repair protocols.



DIGITIZATION AND TELEMEDICINE

Using Digital Data to Help Improve Outcomes



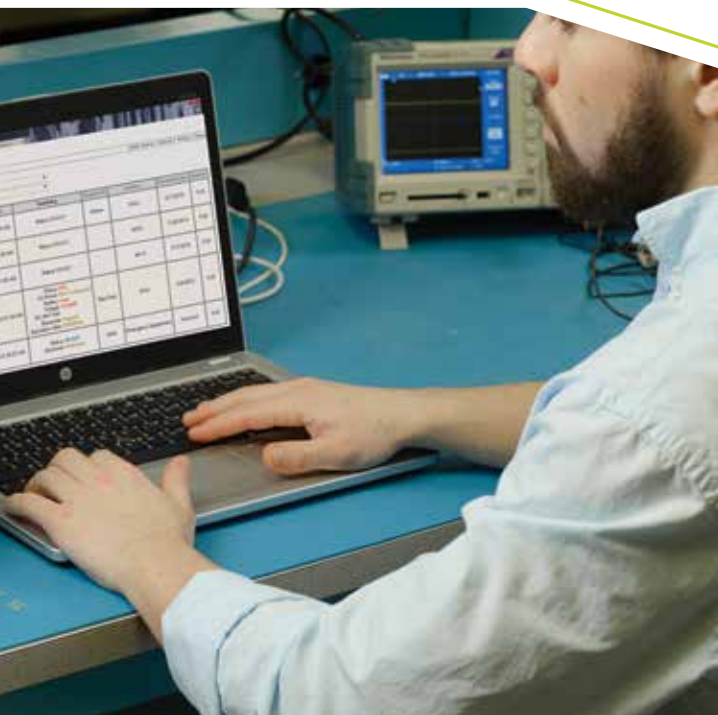
Military missions require continuum of care and the ability to gather, transmit, and securely share clinical data in a timely manner – anywhere, anytime, and under any circumstance.

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 Soar J, et al. Resuscitation. 2015;95:100-147.

² Bobrow BJ, et al. Ann Emerg Med. 2013 Jul;62(1):47-56.e1.

³ Westfall M, et al. Critical Care Medicine. 2013;41(7):1782-9.

⁴ Hoedemaekers CW, et al. Critical Care. 2007;11:R91.

⁵ Knapik P, et al. Kardiologia Polska. 2011;69(11):1157-1163.

⁶ Mayer SA, et al. Critical Care Medicine. 2004;32:2508-2515.

⁷ Diring MN, et al. Critical Care Medicine. 2004;32(2):559-564.

⁸ Heard KJ, et al. Resuscitation. 2010;81:9-14.

⁹ Horn CM, et al. Journal of Neurointerventional Surgery. 2014 Mar;6(2):91-95.

¹⁰ Wik L, et al. Resuscitation. 2014;85:741-748.

¹¹ Aufderheide, T, et al. Lancet 2011;377(9762):301-311

ZOLL MEDICAL CORPORATION

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