

**Portable Ventilators**

**ZOLL®**



**VENTILATION SIMPLIFIED™**

# THE VENTILATOR DESIGNED



It's easy to see why EMS services view ventilators as critical-care devices. Most were originally designed for hospital use. Other ventilators lack durability because they were adopted from home use.

Designed for EMS, ZOLL ventilators are easy to use, portable, durable, and deliver invasive to non-invasive modes to infants through adults.

## EASY TO USE

ZOLL ventilators remove the complications associated with typical portable ventilators. ZOLL's SmartHelp™ System guides medics through alarm resolution with simple on-screen prompts. The Touch, Turn & Confirm interface simplifies use when compared to other portable ventilators.



# FOR EMS

Other standard capabilities of ZOLL ventilators reduce complications associated with disposable CPAP sets by continuously monitoring a patient's breathing in non-invasive ventilation modes. Apnea Backup automatically ventilates patients when spontaneous breathing ceases, while Automatic Leak Compensation adjusts flow when an ill-fitting mask is detected.

## PORTABLE

ZOLL ventilators are designed to travel with the patient. Weighing just 4.4 kilograms (9.7 pounds), ZOLL ventilators are among the lightest portable ventilators available.

The internal compressor further aids busy medics. With ZOLL ventilators, your staff no longer need to carry oxygen cylinders to operate the device. And in the event that additional oxygen is required, ZOLL ventilators consume 1/3 less oxygen when compared to pneumatically driven devices.

## MILITARY-GRADE DURABILITY

With specifications that surpass military standards, ZOLL ventilators are designed to operate in an EMS environment in a way that a hospital or home-use ventilator could never withstand.

With a military-tested ingress protection rating, ZOLL ventilators are impervious to dust and protected from jetting water. ZOLL ventilators are designed to withstand a 20g impact, ensuring its operation in even the most challenging conditions.

## SOLUTIONS FOR DIVERSE PATIENT CONDITIONS

ZOLL ventilators are optimized for treating multiple patient conditions, including infants as small as 5 kilograms. Whether your patient has asthma, COPD, or CHF, ZOLL ventilators deliver the effective treatment.

Both invasive and non-invasive modes are available on ZOLL ventilators. To apply a non-invasive mode, just fit the mask and select CPAP or BL mode. BL mode enables patients to get a head start on the bi-level ventilation that may ultimately be applied at the hospital.





## A STANDARD FOR EMS

Like everything else medics carry, ventilators must stand up to the tough physical demands of the EMS environment. With enhanced durability, ZOLL ventilators set the standard for EMS ruggedness.

Parameter	ZOLL Ventilator Rating
Operation Temperature Range	-25° to 49° Celsius (-13° to 120° Fahrenheit)
Ingress Protection—Extreme Dust	Surpasses Mil Standard 810F (Test Method 510.4, Procedure 1)
Ingress Protection—Extreme Rain	Surpasses Mil Standard 810F (Test Method 506.4, Procedure 1)
Crash Testing	20g
Drop Testing (with carry case)	26 drops from 120 centimeters (48 inches) on all surfaces.

# VENTILATION SIMPLIFIED™



**EASY TO USE**



**PORTABLE**



**DURABLE**

*The AEV delivers the capabilities needed for emergency response ground units*



*The EMV+ is optimized for critical care and air transport*



## ZOLL PORTABLE VENTILATORS – VENTILATION SIMPLIFIED™

### LOWER OPERATING COSTS

If your staff currently employs disposable CPAP sets, ZOLL ventilators can offer a path to lower operating costs. The economical design of ZOLL circuits and masks make it a possibility when providing as few as three treatments per week. Ask your ZOLL representative for more information.

## ZOLL MEDICAL CORPORATION

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