

# Sapphire™ Multi-Therapy Infusion Pump

Sapphire Multi-Therapy Infusion Pump delivers, even under very demanding conditions



## Technical Specifications

### Make a Difference When Every Second Matters

We know that in an emergency, every second counts. Sapphire's simple single-hand cassette insertion, quick setup, and intuitive workflow improves response time so you can focus on saving lives.

### Overcome Harsh Conditions

Sapphire is a durable and sturdy performer. Built to withstand drops, bumps, and splashing fluids, its touchscreen works even when wet, giving you the confidence needed to initiate an infusion anytime, anywhere.

### Respond With Precision

We understand the unique needs of adults, pediatrics, and other populations. Sapphire safely manages infusions for each of your patient sets with a wide flow rate range, industry-leading flow rate accuracy, and exceptional flow continuity. Preset programs can be configured to accommodate a variety of protocols and to streamline pump programming.

### Control Your Investment

We offer a variety of Extended Service Programs to meet the needs of your organization. We can provide the tools and training you need to complete maintenance activities independently, minimizing downtime and reducing operational costs.

**ZOLL**®

## Designed to Be Small, Lightweight & Sturdy

The perfect partner for any pre-hospital clinician, no matter the environment

- Intuitive user interface
- Highly customizable, with versatile programming options
- Fast setup and programming
- Extensive drug library capability with simple search feature
- Half set available
- Approved for air and ground transport\*
- Multiple mounting and carrying solutions\*\*
- Durable design with a small footprint
- Long battery life
- Reliable and cost-effective

### ZOLL Medical Corporation Worldwide Headquarters

269 Mill Road  
Chelmsford, MA 01824  
978-421-9655  
800-804-4356

For subsidiary addresses and fax numbers, as well as other global locations, please go to [www.zoll.com/contacts](http://www.zoll.com/contacts).

## Sapphire™ Multi-Therapy Infusion Pump Specifications

### Dimensions

143 x 96 x 49 mm (5.63 x 3.78 x 1.93 in.)  
(H x W x D)

**Weight** (excluding battery) 418 g (14.7 oz.)

### Indications

Intravascular, subcutaneous, intra-arterial, epidural, perineural

### Indicated Use

The pump is intended to be used by licensed health care professionals in a clinical environment, home users in an ambulatory environment and in pre-hospital medical air and ground transportation.

IEC 60601-1-12 Standard

IEC 60601-1-12 - Requirements for medical electrical equipment and medical electrical systems intended for use in the emergency medical services environment.

### Drug Library

Holds up to 40 different clinical care areas and 1,000 drugs per area

### Infusion Device

Volumetric, peristaltic

### Delivery Modes

Continuous, PCA, Intermittent, Multi-Step, TPN, Epidural

### Accuracy

±2.5% under normal conditions  
(per IEC60601-2-24 standard)

### Flow Rate

0.1 - 999 mL/h  
0.1 - 99.9 mL/h in increments of 0.1 mL/h  
100 - 999 mL/h in increments of 1 mL/h

### Volume (VTBI)

0.1 - 9999 mL in increments of 0.1 mL

### Power Supply

100 - 240V 50-60 Hz, 0.6A

### Battery Type

Rechargeable Li-Ion battery 7.4V, 1960 mAh

### Battery Life

24 hrs @ 125 mL/h Recharge time: up to 6 hrs

### Downstream Occlusion

Up to 17.4 PSI (1.2 bar or 900 mmHg)

### Temperature

Operating Temperature: +5° (41°F) to 40°C (104°F) Storage/Transient Temperature: -40°C (-40°F) to +70°C (+158°F)

\* IEC 60601-1-12 - Requirements for medical electrical equipment and medical electrical systems intended for use in the emergency medical service environment.

\*\* SAE J3043 - J2917 Frontal Impact | J3044 Rear Impact | J2956 Side Impact



Specifications subject to change without notice.

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