



eitan  
medical  
sapphire

# sapphire™ Multi-Therapy Infusion Pump

**FOR EMS**



When every second counts,  
**Sapphire Multi-Therapy** IV infusion pump delivers.  
Even under the most demanding conditions



# We have designed Sapphire to be small, lightweight & sturdy

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

## Emergency Responder Ready Features

- + 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

\* 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

## Key specifications & features

### 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

### 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

### EMS 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 mA/h

### 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/Transit Temperature: -40°C (-40°F) to +70°C (+158°F)



## Make a difference when Every Second Matters

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

## Overcome harsh Conditions

We understand life in a prehospital environment is filled with surprises and challenges. Sapphire is a durable and sturdy performer. Built to withstand drops and bumps, as well as splashing fluids, with a touch screen that can be operated 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 can safely manage 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 streamline pump programming**

## Control your Investment

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



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Q Core Medical Ltd. is the manufacturer of Sapphire products.