



# SAPPHIRE MULTI-THERAPY

## Infusion Pump System

### **Accurate infusion care, simple, fast, effective and future-ready**

Be empowered with a complete infusion system that delivers multiple therapies, for home care, hospitals and ambulatory settings. Sapphire drives the future of infusion care.

- Compact, lightweight device that is intuitive and easy to use
- Consistent accuracy with robust performance
- Single solution fits all, for any infusion need
- Software-driven and built-in adaptability

The information provided here does not replace the Sapphire™ user manual  
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**SAPPHIRE**  
by Eitan Group

# OPTIMIZED PATIENT OUTCOMES, FOR THE LONG-RUN

The Sapphire pump is a sturdy performer packed in a small, simplified design. Programming is quick and easy on its intuitive touchscreen, for setting its feature-rich functionality that combines patented magnetic flow control innovation. With its maximized reliability, low-flow continuity, and built-in adaptability that meets any new requirement, Sapphire simplifies patient care with confidence for the long-run.

## MAKE SAPPHIRE YOUR ADVANTAGE

### One infusion pump, multiple therapies

- Multi-therapy capable: TPN, PCA, continuous, multi-step, piggyback, intermittent, epidural, and PIEB
- Intuitive point-of-care programming
- Configurable settings and patient-specific parameters
- Highest  $\pm 2.5\%$  accuracy rate
- Easy switch between pump and gravity infusion

### Exceptional ease that drives patient safety

- Large, clear, color touchscreen
- Quick setup for rapid response
- 4 lock levels
- Dual anti-free flow mechanism in pump and administration set
- Auto restart after downstream occlusion
- Resume option after shutdown during infusion
- On-screen alarm troubleshooting

### Future-ready care and confidence

- Flexible software-driven pump for versatility and fast enhancement
- Cost-effective upgrades, including additional therapy modes
- Powerful platform, one user interface for any infusion need

### Thrive with low total cost of ownership

- Minimized costs throughout product life-cycle, from purchase to upgrade
- High uptime, with unique pumping mechanism that reduces wear on moving parts
- Remote upgrading online and on-site annual certification
- Reduced spending on training and inventory, based on feature-rich functionality and one common user interface across all therapies
- Highly durable with high protection against fluids, impact and power surges

## MULTI-THERAPY KEY SPECIFICATIONS

<b>Dimensions</b>	143 x 96 x 49 mm (5.63 x 3.78 x 1.93 in.) (H x W x D)
<b>Weight (excluding battery)</b>	418 g (14.7 oz.)
<b>Infusion device</b>	Volumetric, peristaltic
<b>Pumping mechanism</b>	Single channel volumetric, with integral pressure sensor
<b>Infusion delivery modes</b>	Continuous (with and without a Secondary line), PCA, Intermittent, Multi-step, TPN, Epidural (PCEA, Epidural Intermittent, PIEB)
<b>KVO rate</b>	Up to 20 mL/h in increments of 0.1 mL/h
<b>Accuracy</b>	$\pm 2.5\%$ under normal conditions (per IEC60601-2-24 standard)
<b>Battery</b>	Rechargeable Li-Ion battery 7.4V, 1960 mA/h, 24 hrs @ 125 mL/h (with a fully charged battery and backlight Off) Recharge time: up to 6 hrs (when pump is not in operation)
<b>Flow rate</b>	0.1 - 99.9 mL/h in increments of 0.1 mL/h 100 - 999 mL/h in increments of 1 mL/h
<b>Volume (VTBI)</b>	0.1 - 9999 mL in increments of 0.1 mL
<b>External power supply</b>	100-240V 50-60 Hz, 0.6A
<b>Downstream occlusion</b>	Up to 1.2 Bar (17.4 PSI or 900 mmHg)
<b>Air in line sensor</b>	Sensor detects single and accumulated bubbles of selectable sizes varying from 0.02 mL - 0.5 mL
<b>Operating temperature</b>	+5° (41°F) to 40°C (104°F)
<b>Water ingress and dust protection</b>	IP24 according to IEC 60601-1-11
<b>Prime</b>	Manual or automatic priming (600 mL/h, or from air in line alarm 900 mL/h)

## ABOUT Q CORE MEDICAL

Q Core Medical is an infusion solutions provider meeting the evolving infusion needs of ambulatory care and hospital markets. Q Core Medical's flagship Sapphire infusion pump systems are marketed globally with fleets operating in North America, Europe, Asia, South America and Australia for the last decade. One of three privately held companies operating under the Eitan Group, Q Core Medical designs, develops, manufactures, and markets advanced, future-ready infusion systems. For more information, visit [www.qcore.com](http://www.qcore.com).

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