Medfusion 3500

Syringe Pump

Enhances safety while maintaining simplicity

The Medfusion™ 3500 Syringe Pump is an intuitive system designed to enhance safety while maintaining simplicity. For more than 15 years, the Medfusion™ Syringe platform has been the technology leader in syringe pumps with its innovations in syringe recognition, drug libraries and dose limits. Support for up to 16 different care areas allows for transport of the Medfusion™ Syringe Pump into any department within the facility. As measured by the ISMP and other regulatory qualifications, the Medfusion™ Syringe Pump is truly a “smart” pump.

BENEFITS

- Programmable Dose Limits
- Rapid Occlusion Detection
- Post-Occlusion Bolus Reduction
- Connectivity with Patient Data Management Systems
- Easy to use
- MRI Compatible
- Up to 10 hours internal battery capacity
- Accepts all syringe sizes cc - 60cc
- Mounts easily to an IV pole, an infant’s isolet or radiant warmer and rotation capabilities

Refurbished by Avante

SPECIFICATIONS

Weight (pump only):
3.8 lbs (1.7 kg)

Height:
5.1 inches (13 cm)

Width:
10.5 inches (27 cm)

Depth:
5.5 inches (14 cm)

Accuracy:
Nominal ±2% excluding syringe variations

Flow Rate Range:
Dependent upon syringe size
0.01 ml/hr to 130 ml/hr

Delivery Modes:
ml/hr; Body weight; Mass; Volume over time; Custom Dilution; Intermittent

Delivery Options:
13 options include Loading Dose, Bolus Dose, Standby, Volume Limit and KVO Rate

Power Sources:
100 to 240 VAC, 50/60 Hz, 30VA; Internal Rechargeable Battery; Optional External DC Input 6 to 14 VDC, 7 Watts; Safety Class II - Type CF

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FEATURES

“Smart” Programmable Safety Limits and Recordable Events

The Medfusion 3500 Syringe Pump with PharmGuard medication Safety Software encourages simultaneous programmable hard and soft limits for dose, rate, weight, time and all modes of delivery (e.g., continuous, bolus and beginning loading doses). When exceeded, these safety limits alert the clinician and provide an electronic record of the event, which is then compiled in PharmGuard’s state-of-the-art reports.

PharmGuard Medication Safety Software:

- Drug libraries created for simple and safe deployment to pumps.
- Clinical alerts and Quick Library features enhance care practices.
- Easy management of compatible IV and enteral syringes.
- Windows-based software databases for easy data reporting and access.

PharmGuard Server Software:

- Deploys and monitors drug library configurations and firmware updates.
- Provides clinical, IT, and biomed reports.
- Employs industry standard databases, systems, and protocols.
- Flexible configuration to meet the needs of any hospital.

“Intelligent” Pressure Monitoring

Experience breakthrough rapid occlusion detection technology with FlowSentry, a comprehensive array of pressure-related safety features. These include our most rapid alarm response time (less than five minutes at 1.0ml/hr with a 60cc syringe) and reduced false alarms. An enhanced graphic display of pressure trend allows earlier opportunities for clinical intervention, and a post-occlusion bolus reduction feature decreases post-occlusion bolus to les than 0.3ml. All this without the use of expensive dedicated disposable sets.

Ergonomic and Accessible

A horizontal design protects the entire syringe barrel and allows effortless, single-handed loading of all syringe sizes. The large, bright screen with adjustable backlighting complements an intuitive hardware interface. Included is a innovative rotating pole mounted clamp to allow for flexibility in the orientation of your preference.

Communications Enabled

The Medfusion 3500 Syringe Pump imports and exports data as an integrated part of any patient data management system. An available communication accessory will allow the pump to communicate in multiple modes including IR and RSs232. These protocols may be adapted and customized to interface with your environment. Future upgrades to the current Medfusion platform will be addressing the hospital’s desire to integrate bar coding (on-board and network based) in both wireless and wired networks. These enhanced capabilities improve the efficiency and effectiveness of the transmission of information throughout the facility and at the bedside.