smiths medical

bringing technology to life

Medfusion® 3500 V6 Syringe Pump
with PharmGuard® Medication Safety Software

Every patient deserves to be babied

medfusion ™

Every patient deserves to be safe

From the youngest to

the oldest, every patient

deserves attentive care,

the type delivered by

smart clinicians using

SMART systems

You care about providing the most effective medicine in the precise dosage that produces the best patient outcomes.

And, because you care so much for so many, you want a reliable medication delivery system that helps confirm your critical decisions by thinking with you about infusion accuracy and safety.

You want the Medfusion® 3500 V6 syringe infusion pump with PharmGuard® medication safety software

Every patient deserves individual care

The Accuracy of Low Flow Dynamics

Patented low flow fluid dynamics enable the Medfusion® 3500 V6 pump to deliver highly accurate volumes of medication and nutrition over a broad range of flow rates. The system recognizes and adapts to the flow characteristics of many of the most popular IV and enteral syringes.

- Low flow capacity even with larger syringes
- Variable flow rates (0.01mL/hr—1130mL/hr)
- +/- 2% delivery accuracy

highly accurate medication delivery

The Medfusion® 3500 V6 syringe pump with PharmGuard® software recognizes IV and enteral syringes

Compatible syringe brands:
BD / B. Braun / Monoject / Terumo / Baxa / Vygon / NeoMed / Philips

The Safety of a Medication Library

Manage your custom medication library with PharmGuard® Toolbox 2 medication safety software. Configure care areas and drug protocols to your hospital's care strategies and workflow.

- Dose error reduction system (DERs) helps reduce pump programming errors and associated adverse drug events
- Standardized dosing units and customizable alerts help eliminate work-arounds

The Simplicity of a Truly Integrated System

Intelligent software allows you to manage Medfusion® 3500 V6 pumps, configuring their operation and workflow across care areas and patient populations. PharmGuard® Toolbox 2 medication safety software helps promote best practices recommended by top hospitals, accrediting bodies and regulatory agencies.

- Hard and soft dosing limits for all delivery modes provide confidence in programming
- Unlimited configurable clinical alerts support best practice at the bedside
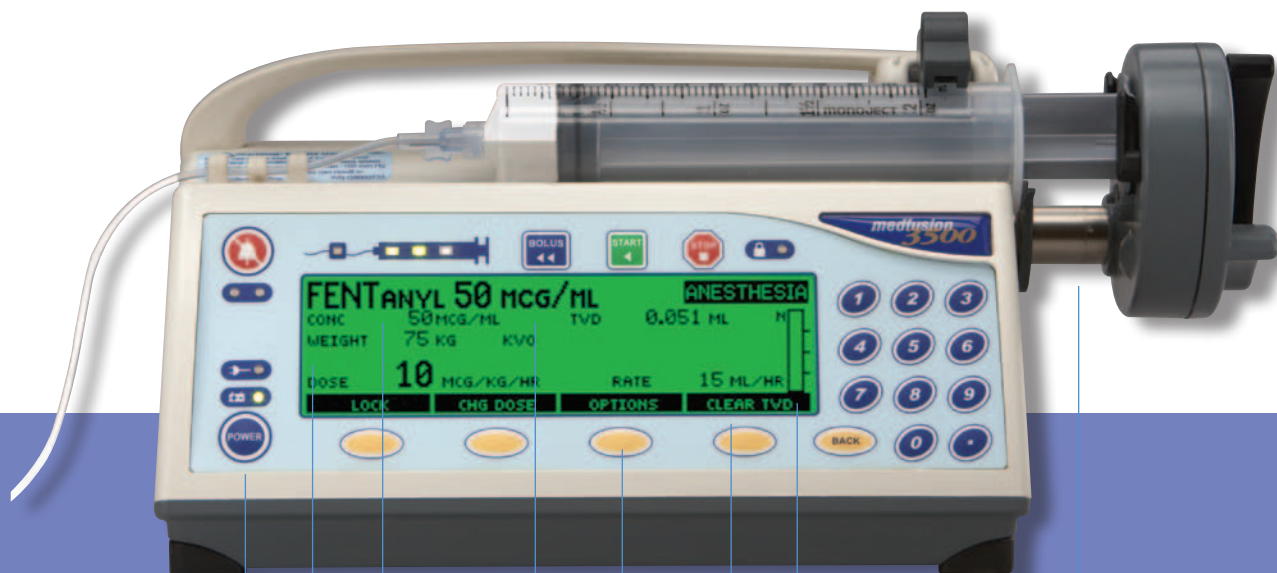- Configurable solutions to meet institutional and department requirements

configure care areas and drug protocols with PharmGuard® software

Every patient deserves a Medfusion® system

Battery capacity of 10 hours fully charged (infusing at 5.0mL/hr with 60mL syringe, 25°C)

Weight, volume, and occlusion programmable limits

Wide screen allows up to 30 characters for each drug name to help reduce the need for abbreviations

'Tall Man' lettering for clear display and easy reading

Loading and bolus dose therapies

Alarm volume, times, and type

FlowSentry™ rapid occlusion detection continuously monitors pressure trending

Horizontal syringe plunger for easy loading, unloading and barrel protection

- Delivery Modes – 125 combinations derived from flow parameters, dosing, dilution and patient characteristics

- MR conditional allows use in static magnetic fields outside the 150 Gauss Line when secured to an immovable object

Every customer deserves exceptional support

The Clinical and Technical Support of Smiths Medical

The Smiths Medical Professional Services team provides clinical support to help you develop an implementation plan that is best for your facility, your clinicians, and your patients. The team's application of evidenced-based practices can help you promote medication administration safety initiatives and facilitate your pharmacists' use of the PharmGuard® Toolbox 2 medication safety software and your clinicians' use of the Medfusion® 3500 V6 syringe pump.

The Smiths Medical Service and Repair team will be responsive to your technical needs, including troubleshooting, preventive maintenance and warranty coverage. Service contracts for firmware, software updates, device calibration, repair and on-site product support are available.

Order Information

Description	Item Number
Infusion Pump	
Medfusion® 3500 syringe infusion pump with V6 software	3500-0600-01
Software	
License for PharmGuard® Toolbox 2 V3 software	22-0020-0300-01
CD for PharmGuard® Toolbox 2 V3 software	22-4075-0300-51
Electronic software update for Medfusion® 3500 V6 pump software	67-2488-0600-01
CD for SureLink™ remote support software V2.0 for PC direct connect	21-2136-0200-25
Accessories	
Lockbox for use with Medfusion® 3500 pumps	22-1000-51
Rotating pole clamp (45 and 90 degree)	22-1050-51
Rotating pole clamp (45 and 90 degree) that tilts the pump forward for screen visibility of pumps mounted near the top of the pole	22-1051-51
Non-rotating pole clamp	3000PC
Medfusion® 3500 pump serial conversion	3000RS232
Cloning block	G6000200

Specifications

Infusion Pump

Accuracy	+/- 2%
Size (Height x Width x Depth)	5.1" (13 cm) x 10.5" (27 cm) x 5.5" (14 cm)
Weight	3.8 lb (1.7 kg)
Moisture Protection or Fluid Resistant	IPX3 fluid ingress protection
Operating Temperature	41° - 104° F (5°- 40° C)
Relative Humidity	20 - 95% non-condensing
Ambient Pressure	10.2 psia - 15.4 psia (70 kPa - 106 kPa)
MRI Compatibility	Rated MR conditional in accordance with ASTM International
Electromagnetic Compatibility	Tested to EMI/EMC testing per IEC 60601-2-24
Durability (drop height sustainable)	The pump maintains its mechanical integrity and continues to operate within specification after being tested per IEC 60601-1 clause 21.6
Delivery Rate Range (mL/hr)	0.01 - 1130 mL/hr
Minimum Infusion Increment (mL/hr)	0.01 mL/hr
Priming Delivery Rate	300 mL/hr or the default maximum bolus rate for the syringe size being used, whichever is less
Screen Visibility	Excellent visibility. 240 x 64 pixel liquid crystal display. An always-on LED-driven backlight enhances viewing in low light areas
Delivery Modes	Delivery modes are user customizable. Available modes are: mL/hr, dose/min, dose/hr, dose/day, dose/kg/min, dose/kg/hr, dose/kg/day, dose/m2/min, dose/m2/hr, dose/m2/day, mL/kg/min, mL/kg/hr, dose/kg/time, dose/m2/time, mL/kg/time, volume/time, dose/time, intermittent volume/time
Indications / Delivery Routes	Arterial, epidural, enteral, intravenous, intrathecal, and subcutaneous
Dosing Units	Grams, milligrams, micrograms, nanograms, units, milliunits, milliequivalents, and millimoles
Power	Class II - Type CF, 110 - 240 VAC, 50/60Hz, 30 VA or rechargeable 2.3 Ahr nickel metal hydride battery
Battery Operating Time	10 hours at 5 mL/hr with 60 mL syringe and a fully charged battery
Recovery Time to Full Battery Charge	10 hours
Compatible Syringes	1 mL- 60 mL syringes by Becton Dickinson WWD, Covidien Monoject™, Terumo®, B.Braun Perfusor®, B.Braun Omnifix®, NeoMed®, Baxa NeoThrive®, Vygon® C-Gon, and Philips Children's Medical Ventures
Syringe Security	Optional Lockbox available
Equipment Warranty	One year factory warranty with a warranty extension available
Preventative Maintenance (PM)	Annual PM recommended. PM date specified within the PharmGuard® Toolbox 2 software

Accessories

Pole Mounting	Optional rotating pole clamp accessory. Rotates to 45 and 90 degrees. Two options available with a 90 degree and 100 degree pump mount. The 100 degree mount tilts the pump for visibility of pumps above the user's line of sight

Medication Safety Software

Dose Error Reduction System	Custom drug libraries are built using PharmGuard® Toolbox 2 V3 software
Dose Delivery Modes	18 delivery modes available, including weight-based modes. Bolus dose option available with limits for dose and time
Minimum Software Requirements	Microsoft® Windows® XP Pro 32-bit with Service Pack 3 or XP Pro 64-bit with Service Pack 2, Microsoft® Vista® 32-bit or 64 bit Business Edition with Service Pack 2, Microsoft® Windows® 7 32-bit or 64-bit Professional, Windows® Server 2003 R2 32-bit or 64-bit with Service Pack 2, Windows® Server 2008 32-bit or 64-bit or Windows® Server 2008 R2 64 bit
Minimum Hardware Requirements	1 GHz 32-bit (x86) processor or 64-bit (x64) processor, 1 GB of system memory (2GB recommended), 15 GB of available space

**To learn more, visit www.Medfusion3500.com
contact your Smiths Medical representative, or call 1-800-258-5361**

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