Innovation in motion

BodyGuard ColorVision

CareFusion
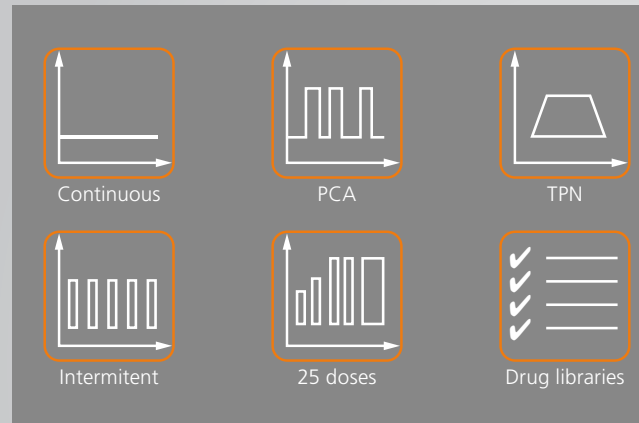
Multi therapy solutions

Offering greater flexibility through multiple applications at hospital or home.

When managing multiple treatments, and looking for more convenience for your patients, the BodyGuard 323 ColorVision™ is your prefered solution. It improves patient mobility, comfort & freedom thanks to the size and battery autonomy.

And it provides:

- a broad range of infusion disposables to address different types of medication delivery

- an intuitive user interface with high-resolution color screen to facilitate programming for healthcare professionals and patients

- safety and security with drug library and fully configurable drug limits

- free-flow protection in all dedicated disposables to prevent accidental medication delivery

- three levels of access codes to prevent accidental or unauthorized program changes

- a range of accessories that enable patient mobility or stationary use.

Continuous	PCA	TPN
Intermitent	25 doses	Drug libraries

For total parenteral nutrition, pain management, antibiotherapy, chemotherapy and other treatments.

BodyGuard 323 ColorVision™
Multitherapy

Pain management solutions

The BodyGuard ColorVision range of customized pumps is designed to meet your various clinical requirements. The range will help you manage various post-operative pain-management methods, provide the additional safety you seek and support your goal of improving patient outcomes. Plus it helps prevent the IV line mixing with other routes of administration (i.e. Epidural and peripheral routes when using local anesthetics[1]).

Intelligent Programmed Interval Auto Bolus (PiAB™)

Furthermore, The new Intelligent PiAB™ doses have been designed to optimize pain relief[2] during childbirth to expedite paturient pain relief, with limited clinician intervention.

It provides the mother the ability to:

Control

• Intelligent Programmed Interval Auto Bolus (PiAB)™ doses delivers optimum pain relief[2] required.

Relief

• A high bolus rate ensures a better spread of medication[3], resulting in faster pain relief[4].

Results

• A feeling of control and managed pain will result in better patient outcomes[5].

Mediguard™ will automatically set a toxicity limit, based on patient's weight to prevent excess drug administration.

BodyGuard 575 ColorVision™
IV-PCA

BodyGuard 545 ColorVision™
PCEA, Epidural & PIAB™

BodyGuard 595 ColorVision™
IV-PCA, Epidural & Regional analgesia

References

1. Epidural medications given intravenously may result in death By Christine Koczmara, RN, BScPsy, Sylvia Hyland, BScPhm, MHSc (Bioethics), and Roger Cheng, BScPhm, PharmD
2. I. Mavridou, T. et al. A study of a programmed intermittent bolus and patient-controlled epidural regimen for labour analgesia. 2013.
3. Duncan, L. A. et al. Comparison of continuous intermittent administration of extradural bupivacaine or analgesia after lower abdominal surgery. British Journal of Anaesthesia (1998): 80; 7-10.
4. Kanai A, Suzuki A, Hoka S. Rapid injection of epidural mepivacaine speeds the onset of nerve blockade. Can J Anaesth 2005; 52:281–4.
5. Weisenberg, Matisyohu, et al. Relevant and irrelevant anxiety in the reaction to pain. Pain 20.4 (1984): 371-383.

Configure settings, download patient history and upload drug libraries.

BodyComm™ Software

BodyComm allows you to connect a pump to the PC and transfer all settings and drug libraries designed with Macrocreator™.

MacroCreator™ Editor

MacroCreator allows you to create drug library* & pump settings files offline.

BodyGuard pump charger enables stationary use, battery charging and far view remote display.

*Drugs libraries settings should be done under the responsibility of a healthcare professional.

Technical Specification

	BodyGuard 323 ColorVision™	BodyGuard 595 ColorVision™	BodyGuard 575 ColorVision™	BodyGuard 545 ColorVision™
Piston Mechanism	•	•	•	•
Infusion Modes				
- Continuous ml/h	•	-	-	-
- Continuous / concentration	•	-	-	-
- Volume over Time	•	-	-	-
- TPN	•	-	-	-
- Intermittent	•	-	-	-
- Drug Library	•	•	•	•
- Pre-programmed protocols	-	•	•	•
PCA Modes				
- Basal only	•	•	•	•
- Basal & Bolus	•	•	•	•
- Bolus only	•	•	•	•
- Auto Bolus	-	•	•	•
Display Size (W/H)	240 x 320 pixels	240 x 320 pixels	240 x 320 pixels	240 x 320 pixels
Resolution (W/H)	3.7 x 4.9 cm	3.7 x 4.9 cm	3.7 x 4.9 cm	3.7 x 4.9 cm
Flow Rate Range	0.1 - 1200 ml/h	0.1 - 100 ml/h	0.1 - 100 ml/h	0.1 - 30 ml/h
Flow Rate Accuracy	± 5 %	± 5 %	± 5 %	± 5 %
Flow Rate Range Piggy (Secondary)	0.1 - 1200 ml/h	-	-	-
Flow Rate Range Bolus	100 - 1200 ml/h	-	-	-
Programmable Infusion Time (Dose over time)	100 hrs	-	-	-
Volume to be Infused	0.1 - 9999 ml	0.1 - 1000 ml	0.1 - 1000 ml	0.1 - 1000 ml
KVO Rate	0 (OFF) - 5 ml/h	0 (OFF) - 5 ml/h	0 (OFF) - 5 ml/h	0 (OFF) - 5 ml/h
Ultrasonic Air Sensor	Air bubble size 0.04 – 2 ml	Air bubble size 0.1 – 1 ml	Air bubble size 0.1 – 1 ml	Air bubble size 0.1 – 1 ml
Occlusion Pressure	100-1500 mmHg (10mmHg increments)	Application specific (10mmHg increments) PCA: 250-520 mmHg PCEA: 350-1100 mmHg Regional: 350-1800 mmHg	250-520 mmHg (10mmHg increments)	350-1100 mmHg (10mmHg increments)
Pressure Sensor Mechanism	•	•	•	•
Post-Occlusion Bolus Protection	•	•	•	•
Pump Alarms/Alerts				
- Occlusion (up/down stream)	•	•	•	•
- End Program	•	•	•	•
- Low Battery	•	•	•	•
- End Battery	•	•	•	•
- Pump Unattended	•	•	•	•
- Door Open	•	•	•	•
- Lock Mode	•	•	•	•
- Missing Key	•	•	•	•
- Near End	•	•	•	•
- Check Program	•	•	•	•
DERS - Dose Error Reduction Software	Fully programmable drug library, with automatic calculation of drug concentration	MediGuard Drug Error Reduction Software: automatically set a toxicity limit, based on patient's weight, to prevent excess drug administration	MediGuard Drug Error Reduction Software: automatically set a toxicity limit, based on patient's weight, to prevent excess drug administration	MediGuard Drug Error Reduction Software: automatically set a toxicity limit, based on patient's weight, to prevent excess drug administration
Number of profiles/ Clinical Care Areas	24/Configurable	3/PCA-Epidural-Regional	PCA	Epidural
Profile names customizable	•	•	•	•
Location options: Dosing units can be selected for each location	•	•	•	•

+CME Specifications 2014.

	BodyGuard 323 ColorVision™	BodyGuard 595 ColorVision™	BodyGuard 575 ColorVision™	BodyGuard 545 ColorVision™
Max patient weight can be selected for each location	•	•	•	•
Max rate of infusion can be selected for each location	•	•	•	•
Clinician confirms clinical location with each start	•	•	•	•
Large software memory allows all meds & configurations to be customized+	Standard Memory includes 6 modes and 24 departments with up to 128 drugs per dept.	Standard Memory includes 3 modes and 26 protocols in the drug library	Standard Memory includes 26 protocols in the drug library	Standard Memory includes 26 protocols in the drug library
Drug library	Drug library with automatic calculation of drug concentration; programmable via PC with BodyComm software	Fully programmable drug library, with automatic calculation of drug concentration; optional BodyComm PC software	Fully programmable drug library, with automatic calculation of drug concentration; optional BodyComm PC software	Fully programmable drug library, with automatic calculation of drug concentration; optional BodyComm PC software
Bolus dosing units	ml/mg/mcg	ml/mg/mcg	ml/mg/mcg	ml/mg/mcg
Bolus dose administration rates	•	•	•	•
Delay Options	•	•	•	•
Concentration limits	•	•	•	•
Hard and soft limits	•	•	•	•
Clear indication when limit is overriden	•	•	•	•
Total Dose Limits for Intermittents	•	•	•	•
Total Dose Limits for Primary Infusions	•	•	•	•
Total Dose Limit for Piggy Infusions	•	-	-	-
Total Dose Limit for Bolus Infusions	•	•	•	•
Fluid limits (mL/hr)	•	•	•	•
Therapies	Multi-Therapy	IV PCA-Epidural-Regional	IV PCA	Epidural
Calculate dose/rate while infusing	•	•	•	•
Patient confirmation with each start	•	•	•	•
Titrating/Bolusing	Patient bolus titration / simple click rate titration	Patient bolus titration / Programmed Intermittent Bolus / simple click rate titration	Patient bolus titration / Programmed Intermittent Bolus / simple click rate titration	Patient bolus titration / Programmed Intermittent Bolus / simple click rate titration
Patient history	Yes	1, 8, 24 hours, shift totals and graphs trends	1, 8, 24 hours, shift totals and graphs trends	1, 8, 24 hours, shift totals and graphs trends
Length of event log	Up to 2000 events log Optional: BodyComm Software	Up to 2000 events log Optional: BodyComm Software	Up to 2000 events log Optional: BodyComm Software	Up to 2000 events log Optional: BodyComm Software
Type of data transferred from pump	All event log + current state	All event log + current state	All event log + current state	All event log + current state
Power Supply	100 – 240V AC, 50/60 Hz (10W / 0.3A)	100 – 240V AC, 50/60 Hz (10W / 0.3A)	100 – 240V AC, 50/60 Hz (10W / 0.3A)	100 – 240V AC, 50/60 Hz (10W / 0.3A)
Rechargeable Li-Polymer 7.4V Battery	•	•	•	•
- 1800 mAh. Life at 125ml /h	up to 17 h	up to 17 h	up to 17 h	up to 17 h
- 3600 mAh.Life at 125ml/h (optional)	up to 34 h	up to 34 h	up to 34 h	up to 34 h
Disposable Alkaline 9V (x2) (optional)	•	•	•	•
- Life at 125ml/h	up to 12 h	up to 12 h	up to 12 h	up to 12 h
Connectivity				
- RS232 Serial Port	•	•	•	•
- 802.11 WiFi (optional)	•	•	•	•
- EMR Interface (optional)	•	•	•	•
- BodyComm™ Software (optional)	•	•	•	•
- Remote Monitoring (Optional)	•	•	•	•
Classification	Type CF, Class II	Type CF, Class II	Type CF, Class II	Type CF, Class II
Moisture Protection	IPX3	IPX3	IPX3	IPX3
Dimensions; pump only (H/W/D)	112 x 89 x 40 mm	112 x 89 x 40 mm	112 x 89 x 40 mm	112 x 89 x 40 mm
Weight (with standard battery)	390g	390g	390g	390g

+CME Specifications 2014.

Microset™ are microbore & anti-kinking with integrated BodyValve™ to prevent medication delivery interruption and unintended flow. In one piece, color coded, compatible with IV fluid bags or with EVA attached reservoirs

A variety of carrying bags to facilitate patient mobility and lock boxes to secure potent medication for additional safety.

Innovation is our lifeblood

CareFusion is a global corporation serving the health care industry with products and services that help hospitals measurably improve patient care. We combine our technologies and products with the data and intelligence that caregivers need, when and where it is needed.

We understand that healthcare systems need to be built around people. Our 15,000 worldwide employees are passionate about healthcare and helping those that deliver it - from the hospital pharmacy to the hospital ward; from the operating theatre to the bedside; from caregivers to patients.

We innovate. We inspire. We make real changes happen in the complex healthcare environment.

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