



# BD BodyGuard™ Pain Manager infusion pump

## Pain management solutions: safe and easy to use

Designed around patients, the BD BodyGuard™ Pain Manager is an ambulatory infusion pump that offers a number of pain management modes to help improve quality of life and patient comfort. The BD BodyGuard™ Pain Manager infusion pump has 3 configurable modes: PCA, epidural and regional. It can be set to patients' needs or clinical specialty via different infusion modes: continuous only, bolus only, continuous plus bolus, and auto bolus. The BodyGuard™ Pain Manager infusion pump can be used for infusion through intravenous, subcutaneous, epidural, regional and wound infiltration routes.

### Patient comfort

- The simplicity of the BD BodyGuard™ Pain Manager infusion pump will help patients manage their pain and increase their quality of life with greater ease thanks to the auto bolus programme
- Due to its small size and battery autonomy, the BD BodyGuard™ Pain Manager infusion pump helps improve patient mobility, comfort and freedom
- A range of accessories that will help patients adopt their treatment

### Workflow efficiency

- The BD BodyGuard™ Pain Manager infusion pump's intuitive, user-friendly interface promotes easy understanding and a reduction in training time
- The BD BodyGuard™ Pain Manager infusion pump works with all types of IV bags / bottles, reducing set up time of the infusion when compared to the cassette system



### Patient safety

- Configurable medication protocols can be saved to reduce set up time, help standardisation of clinical protocols and contribute to the reduction of medication errors
- A range of Epidural sets with with NRFit™+ connection and yellow strip line differentiated from PCA sets (clear or blue strip line) helps prevent the IV line mixing with other routes of administration (i.e., epidural and peripheral routes when using local anesthetics<sup>1</sup>)



## Features and benefits

- **Small, lightweight and compact ambulatory** infusion pump for improved patient mobility and comfort
- Pain management solution administers fluid accurately via **multiple modes**: basal only, basal & bolus, bolus only and **multiple bolus types**: patient bolus, auto bolus, patient bolus combined with auto bolus and multiple infusion modes: PCA, Epidural, Regional for improved patient comfort
- A broad range of colour-coded infusion disposables with free-flow protection to address **different types of medication delivery** efficiently and safely
- An interactive user interface with a high-resolution colour screen helps to **facilitate easy programming** for patients and healthcare professionals
- Safety and security with the MediGuard™ weight-based dosing software that automatically set a toxicity ceiling based on your **patient's weight, to help prevent excess drug delivery**
- Free-flow protection in all dedicated disposables **helps prevent accidental medication delivery**
- Three levels of security access codes to help **prevent accidental or unauthorised programme changes**
- A range of accessories as well as mount options **helps enable patient safety and mobility**
- **False occlusion and post-occlusions bolus systems** for improved patient safety and comfort

The BD BodyGuard™ Pain Manager is a small, compact and lightweight infusion pump with multiple pain management solutions that aids patients in achieving independence.

**To order or learn more about how BD can assist you in your efforts to bring this valuable treatment to more patients, contact your BD sales representative.**

### BD BodyGuard™ Pain Manager infusion pump specifications

#### Dimensions and weight

Weight (with standard battery) 410 g

Pump only (H/W/D) 112 x 89 x 40 mm

#### Flow rate range

Basal rate 0 to 100 ml/hr in 0.1 ml increments (depends on infusion modes)

KVO Rate 0 (OFF) - 5 ml/hr

Flow rate accuracy -  $\pm 5\%$ \*

#### Volume to be infused

0.1 – 1000 ml

#### Patient safety

Ultrasonic Air Sensor Air bubble size 0.04 – 1 ml

Occlusion Pressure adjustable 250-1500 mmHg (adjustable depending on infusion mode)

#### Complies with the current version of the following standards

IEC 60601-1, IEC 60601-1-2, IEC 60601-1-6, IEC 60601-1-8, IEC 60601-1-11, IEC 60601-2-24, IEC 62304 and IEC 62366.

#### Protocols library

Fully programmable drug library, with automatic calculation of drug concentration programmable via PC with BodyComm™ software\*\*

Up to 2000 user events log

#### Power supply

110-240 VAC, 50/60 Hz. 0.3 A max

#### Battery specifications

Rechargeable Li-Polymer 7.4 V Battery

1800 mAh. Life at 25 and 100ml/h 15h

#### Pump alarms/alerts

Air in line / Up Occlusion, Down Occlusion, Pump Unattended, End of infusion, Near End of Infusion, Low Battery, End Battery, Pump Unattended, Door Open, Missing Set Key, System Error

#### Additional specifications

Insulation class II, type CF

Ingress Protection: IP33

Linear Peristaltic mechanism

1. Koczmara C, Hyland S, Cheng R. Epidural medications given intravenously may result in death. Dynamics. 2007;18(3):34–36.

† contact BD sales representative to check NRFit™ sets availability

\* achieved under nominal conditions

\*\* Only trained CME or BD associates or authorized representatives are allowed to configure CME BodyGuard™ infusion and syringe pumps and upload the clinician-approved protocols to supported pumps.

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