Baxter

Novum**IQ** Syringe
INFUSION SYSTEM

THE NEXT GENERATION
OF INFUSION PUMPS
ISN'T JUST A PUMP

IT'S PRECISION
AND SAFETY WHEN
EVERY MILLILITER
MATTERS

As part of the fully integrated **Novum IQ**
Infusion Platform, the **Novum IQ** Syringe
Pump is designed to protect infusions
for the smallest and the most
vulnerable patients.

NOVUM IQ SYRINGE PUMP:
ONE PART OF AN INTEGRATED ECOSYSTEM

The **Novum IQ** Syringe Pump, along with the **Novum IQ** Large Volume Pump, **IQ Enterprise** Connectivity Suite and **Dose IQ** Safety Software, creates one integrated, intelligent infusion ecosystem. Using streamlined workflows and intuitive operation, the **Novum IQ** Infusion Platform supports complex infusion practices and reduces clinical practice variation.

The **Novum IQ** Syringe Pump is designed with safety features to help enable efficient infusion administration.

BROAD RANGE OF SYRINGES qualified for compatibility

ON-SCREEN COLORED BANNERS to clearly identify enteral delivery

PRESSURE INDICATOR to provide a visual status of the downstream pressure in the line and the level of the set pressure limit for the infusion

VISUAL BEACON to inform clinicians from a distance

RUNNING BAR AND SYRINGE ICON to indicate the delivery status of the current infusion

BACKLIT KEYPAD and ambient light sensor to improve visibility

SPECIFICATION	DESCRIPTION
Interoperability	- Bidirectional EMR interoperability to enable auto-programming and auto-documentation with validated EMR systems that adhere to IHE HL7 standards for medical device integration - Unique electronic on-screen barcode to support association of device to EMR patient record, accommodating 1D and 2D barcode formats - Tagless wireless communication of pump location and status for real-time location system (RTLS) solutions that leverage a Cisco wireless network using Cisco Compatible Extensions (CCX) for tag specification
Key Safety Features	- Rate or dose change limits - Dynamic pressure trend indicator - Enhanced pressure setting limits, including rapid downstream occlusion alarm - Syringe-near-empty alarm and near-empty keep-vein-open (KVO) alarm - Prompts for priming - Prompts for flushing amount-over-time (AOT) and volume-over-time (VOT) infusions - Post-occlusion bolus compensation - Rapid occlusion detection for low flow rates - Keypad lock configured in the drug library
Dose IQ Safety Software	Web-based, centralized drug library software supports multiple pump modalities and infusion types. - Titration Error Prevention technology, which allows **Novum IQ** pumps to intercept dose and rate changes that could be potentially harmful - Support for 5,000+ drugs and 32 care areas with drug linking across care areas to streamline updates and minimize drug entries - Configurable anesthesia care area settings for use in the OR, including wide titration limits, rapid bolus capability and optional passcode, to enable efficient initiation of anesthesia infusions - Centralized file repository that eliminates manual sharing, provides broad-range access across multiple locations and seamlessly enables standardization of drug libraries - Automatic drug library activation without end-user intervention or pump power cycling - Color coding for enteral infusions - Integrated First Databank (FDB) Infusion Knowledge drug data entries based on clinical evidence - UL 2900 certified and digitally signed drug library cybersecurity
Data & Analytics	Intuitive, web-based infusion analytics software application with data visualization provides enterprise-wide visibility to all administered infusions, reporting actionable insights and advanced quality metrics.
Infusion Delivery Modes	- Continuous - Amount/time - Enteral - Volume/time (including multi-syringe) up to 120 mL - Basic mode - Loading dose and bolus - MillionUnit dosing - Multi-syringe infusion for VOT infusions with loading prompts for each syringe
Flow Rate	- 0.01 – 99.99 mL/hr (increments 0.01 mL/hr) - 100 – 999.9 mL/hr (increments 0.1 mL/hr) - 1,000 – 1,200 mL/hr (increments 1 mL/hr)
Linear Travel Accuracy*	- +/- 5% for 0.01 – 0.49 mL/hr - +/- 2% for 0.5 – 1,200 mL/hr
Compatible Syringe Sizes	- 1 – 60 mL syringes - Syringe size is automatically detected by pump upon loading.
Compatible Syringes	- IV: BD, Covidien Monoject - Enteral: Baxter, BD, NeoMed - Customizable syringe list by facility or care area
Memory & Event Log	- While not in use, pump memory will retain the last programmed infusion for 24 hours. - Event log capacity is ≥ 4,400 events.
Battery Power & Capacity	**Novum IQ** Smart Battery Pack - Battery capacity is ≥ 8 hours for pump with new fully charged battery, at a flow rate of 10 mL/hr, with medium back-light setting, and Wi-Fi enabled. - Biomedical engineers can enter the recommended maintenance due date 2 years into the future to trigger the "Pump Maintenance Due" alert. Additionally, the **Novum IQ** Syringe Pump checks the Smart Battery Pack status when the power is turned on and will display a preventive maintenance (PM) alert when the Smart Battery Pack has reached the expected number of charge/discharge cycles or has degraded beyond its usable life.
Display	Color LCD front-lit super-fine TFT screen with 800x480 pixel resolution
Software Updates	Wireless over-the-air firmware updates and wireless drug library updates to efficiently update pump fleet, or pumps can be updated manually using a USB storage device.
Device Useful Life	10 years
Serviceability	95% of components are self-serviceable or field-replaceable.

*Linear travel accuracy is not the same as flow rate accuracy.

NOVUM IQ INFUSION PLATFORM

ONE PLATFORM. ONE ECOSYSTEM. ADVANCED TECHNOLOGY.

For more information, contact your Baxter Sales Representative,
call us at **1-800-422-9837** or email us at **cfs_customer_service@baxter.com**.

INDICATIONS FOR USE — **NOVUM IQ** SYRINGE PUMP

The **Novum IQ** syringe pump is intended to be used for the controlled administration of fluids. These include pharmaceutical drugs, parenteral nutrition, blood and blood products, and enteral nutrition. The **Novum IQ** syringe pump is intended to deliver an infusion through the following clinically accepted routes of administration: intravenous, arterial, enteral, and subcutaneous. The **Novum IQ** syringe pump is intended to be used in conjunction with legally marketed and compatible administration sets, syringes, and medications provided by the user. The **Novum IQ** syringe pump is suitable for patient care in hospitals and outpatient health care facilities. The **Novum IQ** syringe pump is intended for use on adults, pediatrics and neonates. The **Novum IQ** syringe pump is intended to aid in the reduction of operator interaction through guided programming, including a way to automate the programming of infusion parameters and documentation of infusion therapies when integrated with an Electronic Medical Record (EMR) system. This automation is intended to aid in the reduction of programming errors. The **Novum IQ** syringe pump is intended to be used by trained healthcare professionals.

INDICATIONS FOR USE — **NOVUM IQ** LARGE VOLUME PUMP (LVP)

The **Novum IQ** LVP is intended for use on adults and pediatrics subpopulations, except for neonates, for the controlled administration of fluids, pharmaceutical drugs, parenteral nutrition, blood and blood products through the following clinically accepted routes of administration: intravenous, arterial, subcutaneous and epidural. The **Novum IQ** LVP is intended for use on neonates, for the controlled administration of fluids and parenteral nutrition through the following clinically accepted routes of administration: intravenous and arterial. The **Novum IQ** LVP is intended to be used in conjunction with legally marketed and compatible administration sets, and medications provided by the user. The **Novum IQ** LVP is suitable for patient care in hospitals and outpatient health care facilities. The **Novum IQ** LVP is intended to aid in the reduction of operator interaction through guided programming, including a way to automate the programming of infusion parameters and documentation of infusion therapies when integrated with an Electronic Medical Record (EMR) system. This automation is intended to aid in the reduction of programming errors. The **Novum IQ** LVP is intended to be used by trained healthcare professionals.

Rx only. For safe and proper use of the products mentioned herein, please refer to the appropriate Operator's Manual or Instructions for Use.