



Alaris™ CC Plus Syringe Pump

Infusion precision for the most vulnerable patients

For the most vulnerable patients, in-line pressure monitoring promotes early detection of occlusions. The Alaris CC Plus syringe pump is particularly suited for use in both adult and paediatric critical care areas.

Early clinical intervention

Unforeseen IV therapy interruption is a concern in critical care medicine. Alaris CC Plus offers real-time in-line pressure monitoring with an accuracy of 1 mmHg and visual pressure trends over several hours - helping to reduce the time to alarm and allowing for early clinical intervention. Additionally, with Alaris Infusion Central, BD central viewing solution, nurses can check and manage all infusions centrally.

Protecting every infusion

The Alaris CC Plus protects every IV therapy with Guardrails™. Alaris Communication Engine automatically deploys new drug libraries and continuously exports CQI data, while the Alaris Gateway Workstation automatically shares infusion data with hospital information systems. This combination allows users to identify, track and ultimately prevent harmful IV medication errors¹.

Infusion status at a glance

With many devices needing to be managed by the patient's bedside, nurses appreciate the security of a large and clear screen that provides detailed information. In addition, its user-friendly control panel makes Alaris CC Plus easy to use, helping to improve workflow efficiency and allowing nurses to spend more time on patient care.

Durable, reliable and low maintenance

Maintaining infusion pumps can be complex and time consuming. However, maintenance of the reliable and durable Alaris CC Plus is easy and time efficient as it benefits from the standardised design and parts of the Alaris Plus family. This allows you to minimise total cost of ownership.



The Alaris CC Plus syringe pump and related software offer a complete IV infusion and blood transfusion solution allowing for timely, precise and well monitored treatments, helping to increase patient safety and prevent harmful IV medication errors¹.



Specifications

Infusion rate range

5 ml syringe 0.1 to 150 ml/h; 10 ml syringe 0.1 to 300 ml/h; 20 ml syringe 0.1 to 600 ml/h; 30 ml syringe 0.1 to 900 ml/h; 50 ml syringe 0.1 to 1200 ml/h; increments starting at 0.01 ml/h.

Volume to be infused (VTBI)

0.1 ml to 1000 ml, 1 min to 24 hours.

Volume over time range

0.1 to 9,990 ml.

Bolus rate

5 ml syringe 10 to 150 ml/h; 10 ml syringe 10 to 300 ml/h; 20 ml syringe 10 to 600 ml/h; 30 ml syringe 10 to 900 ml/h; 50 ml syringe 10 to 1200 ml/h.

Purge specifications (syringe size specific)

100 to 500 ml/h; volume range 0.5 - 5.0 ml.

Keep vein open (KVO) infusion rate

0.1 to 2.5 ml/h.

Flow rate accuracy (ml/h mode)

±2% for rates ≥ 1.0 ml/h in accordance with IEC 60601-2-24*.

Pumping pressure limits (user selectable)

In-line pressure measurement with pressure disc; variable pressure; 1 to 1000 mmHg in 1 mmHg steps; auto pressure; 12 hour pressure trend graph.

Alarms, warnings, prompts and advisories

Integrated amber/red beacon indicator, audible alarm and display covering the following alarm conditions: AC power failure and battery. Drive disengaged. Check syringe. Near end of infusion. VTBI done. Internal malfunction. Pressure disc out.

Occlusion. Battery low. End of infusion. Attention (nurse call-back). Titration - start to confirm. Guardrails™ alerts.

Dimensions and weight

335 mm (w) x 121 mm (h) x 200 mm (d).
2.4 kg including carry handle, internal battery and integrated pole clamp.

LCD display

35 x 167 mm high resolution LCD display with LED backlight. Minimum viewing angle of 35°, legible from 3 m. Drug names up to 20 characters.

Configurable options

Audio volume (low, medium, high).
Enable/disable syringe brands and sizes (5 ml to 60 ml).
Quiet mode, rate lock, titration and standby mode.

Battery specifications

NiMH – rechargeable and replaceable.
Mean battery life 6 hours at 5.0 ml/h.
Recharge time 2.5 hours from discharge to 90% charge.

Power requirements

115-230 VAC, 50-60 Hz, 10 VA (nominal).

Event log

Capacity 50,000 events.
Approximately 1 year of event log storage in normal use.

Additional specifications

IP32 (IP33 with AC Power cable retainer kit); RS232; suitable for ground ambulance use (EN 1789); Alaris Gateway compatible; configurable through Alaris Editor; up to 30 profiles and 3,000 drug protocols (100 per profile).

Features and benefits



Standardised **user-friendly interface** to start infusion with few key presses.



Visual beacon ensures an alarm or a warning condition is visible from a distance.



Ability to **enable preferred syringes** helps increase workflow efficiency.



Large and clear display shows all key parameters at a glance.



Quiet mode minimises noise when required.



New PCB assemblies deliver enhanced display sharpness and viewing angle, less power usage and a faster microprocessor.



In-line pressure monitoring promotes early intervention to prevent potential complications such as extravasation or interruption to flow.



Long-lasting internal battery charges automatically when connected to AC power.



Alaris Gateway Workstation creates an organised workspace and connects the pump to the hospital information systems, offering data integration throughout the hospital.



Complete dedicated set portfolio available at bd.com/uk/ivtherapy



Integrated pole clamp for secure fixing to vertical IV poles (15-40 mm diameter).

¹ Ohashi K, Dalleur O, Dykes PC, Bates DW. Benefits and risks of using smart pumps to reduce medication error rates: a systematic review. Drug Saf. 2014;37(12):1011–20. *Nominal conditions apply; Please refer to the DFU for all product details.