



Alaris™ GH Plus Syringe Pump

User-friendly reliability for all care areas

Wherever IV therapy is needed across the hospital, the Alaris GH Plus syringe pump makes caring for patients easier, safer and more cost-effective^{1,2}.

Standardisation around all care areas

Because infusion pumps often accompany a patient throughout the hospital, standardising devices will help nurses to be more secure when operating them. Its user-friendly control panel and large and clear display make the reliable Alaris GH Plus easy to use, improving workflow efficiency and allowing nurses to spend more time on patient care.

Protecting every infusion

The Alaris GH 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.

Durable, reliable and low maintenance

Maintaining infusion pumps can be complex and time consuming. However, maintenance of the reliable and durable Alaris GH 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 GH 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 to 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)

50 to 1000 mmHg, 11 levels.

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

Dimension and weight

310 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.

Event log

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

Power requirements

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

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.



Pressure limits allow for early identification of line occlusion.



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; ² Manrique-Rodríguez S, Sánchez-Galindo AC, López-Herce J, Calleja-Hernández MA, Martínez-Martínez F, Iglesias-Peinado I, et al. Implementing smart pump technology in a pediatric intensive care unit: a cost-effective approach. Int J Med Inform. 2014;83:99–105; *Nominal conditions apply. Please refer to the DFU for all product details.

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