



## When safety matters

Alaris® CC plus syringe pump



### Designed for use in key areas

The Alaris® CC syringe pump from CareFusion, delivers exclusive benefits through in-line pressure monitoring and the Guardrails® suite of safety software.

In-line pressure monitoring improves the early detection of occlusions, by reducing time to alarm, can help prevent sub-therapeutic medication and the risk of IV complications and post occlusion bolus.

The Alaris® CC syringe pump offers a range of features suited to drug therapy, blood and blood products and epidural therapy, including: large, clear display, intuitive user interface, integrated design and wide range of specialty infusion sets.



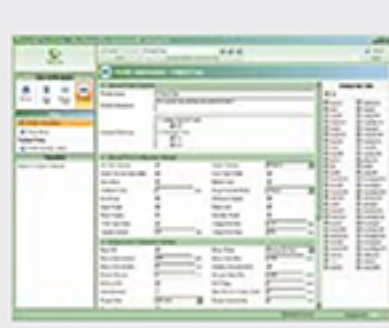
### The Alaris® Editor

Improves consistency and standardisation.

Configuring pumps to specific care areas is easy and consistent with the Alaris® Editor.

One PC tool configures the Alaris® CC and GH syringe pumps and the Alaris® GP volumetric pump.

- Centralised configuration control
- Up to 30 Care area profiles
- Up to 3000 drug protocols



### Specifications

<b>Rate Range</b>	5ml syringe – 0.1 to 150ml/h
	10ml syringe – 0.1 to 300ml/h
	20ml syringe – 0.1 to 600ml/h
	30ml syringe – 0.1 to 900ml/h
	50ml syringe – 0.1 to 1200ml/h
<b>Volume Infused</b>	0.0ml - 9990ml
<b>Volume/Time Limit</b>	0.1ml - 1000ml, 1 min - 24hrs
<b>Bolus Rate</b>	5ml syringe – 10 to 150ml/h
	10ml syringe – 10 to 300ml/h
	20ml syringe – 10 to 600ml/h
	30ml syringe – 10 to 900ml/h
	50ml syringe – 10 to 1200ml/h
<b>Max Purge Volume Range</b>	100ml/h - 500ml/h (limited to size of syringe)
	Purge volume range is 0.5ml - 5ml
<b>KVO rates</b>	0.1ml/h - 2.5ml/h
<b>Accuracy</b>	Volumetric +/- 2% (nominal)
<b>Syringe Size/Type</b>	5ml, 10ml, 20ml, 30ml or 50ml disposable syringe of type specified on pump
<b>Battery Type</b>	Rechargeable sealed NiMH, automatically charged when pump is connected to AC power
<b>Battery Life</b>	Mean Time To Battery Empty from fully charged at 5ml/h & 20°C under normal conditions is 6 hours.
<b>Recharge Time</b>	2 1/2 hrs from discharge to 90% charge
<b>Pumping Pressure Limits</b>	Variable pressure: 1 to 1000 mmHg in steps of 1 mmHg
	Auto Set Pressure
<b>Alarms, Warnings and Prompts</b>	Audible alarm and display prompts with comprehensive protection such as:
	• Drive disengaged
	• Near end of infusion
	• VTBI complete
	• Internal malfunction
	• Pressure disc out
	• Attention (nurse callback)
	• Titration - start to confirm
	• Check syringe
	• Occlusion
	• Battery low
	• Battery Empty
	• AC Power Fail
	• Line Occlusion
	• End of infusion
<b>Standards</b>	IEC/EN60601-1, IEC/EN60601-1-2, IEC/EN60601-2-24
<b>AC Power Requirements</b>	115-230 VAC, 50/60Hz, 20VA (nominal)
<b>Dimensions</b>	335mm(w) x 121mm(h) x 200mm(d)
<b>Weight</b>	2.7 Kg

### 'Smart' protection with Guardrails® safety software

Medication safety software is becoming a pre-requisite for infusion devices.

However, many hospitals find the implementation a challenge.

The **plus** software is designed to make the transition to full Guardrails® implementation easy and in line with your schedule.

You can use the same Alaris® Editor to create your drug library and care area profiles. When your Guardrails® data set is ready, upgrading the pump to Guardrails® is simple.

#### Standardise

Defining your infusion protocols

#### Protect

Your safety net

#### Measure

Powerful analysis of your infusion data

#### Improve

Drives Long term best practice of your evolving drug therapy



<b>EC REP</b>		
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## When safety matters

Alaris® GP plus volumetric pump



### Designed for use in key areas

Acute and sub-acute applications require a simple and easy to use volumetric pump. Our Alaris® GP volumetric pump provides a versatile and flexible platform for infusion therapy which is suitable across a broad range of applications.

The Alaris® GP Volumetric pump offers a range of features suited to drug therapy, blood transfusions and parenteral feeding; including a large, clear display, intuitive operation, and a wide range of specialty sets. Ergonomic casing allows ease of transportation, cleaning, and a variety of mounting methods, including the Alaris® Gateway Workstation; providing extensive data connectivity compatible with Patient Data Management Systems (PDMS) and Hospital Information Systems (HIS) through open network architecture.



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### Specifications

<b>Infusion Rate Range</b>	0.1 - 1200ml/h (with titration if enabled)
<b>VTBI</b>	Range: Primary - 1ml to 9999ml
	End Actions: Stop, KVO and continue
<b>VI Range</b>	0.1ml to 9999ml
<b>Volumetric Accuracy</b>	+/- 5% (nominal)
<b>Hands on and Hands Free Bolus</b>	Bolus Rate 10 - 1200 ml/h      Bolus Volume 0.1 - 100 ml
<b>Mechanism</b>	Four Finger Displacement Peristaltic
<b>Display</b>	Mono (240x240 pixels)
<b>Free Flow Protection</b>	All Infusion Sets incorporate the Alaris® Safety Clamp for free flow protection
<b>KVO Rates</b>	0.1-20ml/h or set infusion rate if lower
<b>Alarms, Prompts &amp; Warnings:</b>	Alarm beacon with alarm (red) & warning (amber) indicators. Audible alarm and display messaging with comprehensive protection including:
	• AC power failure
	• Door Opens
	• Air-in-line Single Bubble
	• Air-in-line Accumulated
	• Air-in-line at start of infusion
	• Battery low
	• Battery empty
	• Downstream Occlusion
	• Upstream Occlusion
	• Titration
	• Safety Clamp
	• Set misload
	• End of Infusion
	• VTBI done
	• Attention (nurse call back, configurable)
	• No Flow (if using optional flow sensor)
	• Flow Error (if using optional flow sensor)
	• Door Close incomplete
	• Lever open
	• Free Flow
	• Set not fitted
	• Rate lock
	• Wrong set
	• Near End of Infusion (NEI)
<b>Occlusion Settings</b>	9 Levels from L0 - L8      Factory default L5
<b>Event Log</b>	Approximately 1 year event log of normal use
<b>Battery Type</b>	Rechargeable NiMH 9.6V 2.4Ah nominal
<b>Battery Run Time</b>	Operates for 6 hrs from full charge at 25ml/h
<b>Recharge Time</b>	2 1/2 hrs from discharge to 95% charge
<b>Standards</b>	IEC/EN60601-1, IEC/EN60601-1-2, IEC/EN60601-2-24
<b>Electrical Protection</b>	Class I, Type CF (defibrillation proof)
<b>AC Power Requirements</b>	100-230 VAC, 50-60Hz, 60VA (maximum)
<b>Dimensions</b>	148mm(w) x 225mm(h) x 148mm(d)
<b>Weight</b>	2.5kg

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