

# When safety matters

Alaris® GH *plus* syringe pump



## Designed for use across a wide range of hospital care areas

The Alaris® GH syringe pump from CareFusion, delivers benefits through comprehensive therapy functionalities and the Guardrails® suite of safety software.

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



\*Available with or without Guardrails® safety software

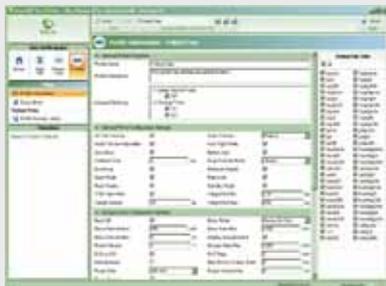
# The Alaris® Editor

## 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



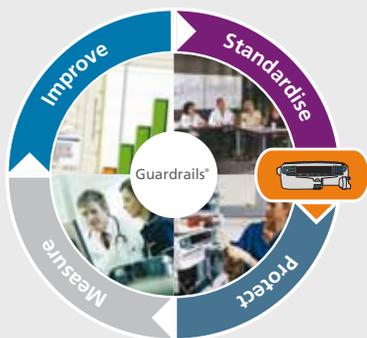
## 'Smart' protection with Guardrails® safety software

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

## Specifications

### Infusion Rate Range (With Titration if Enabled)

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

### VTBI Range

0.1 to 1000ml, 1min to 24 hrs

### VI Range

0.0ml to 9990ml

### Volumetric Accuracy

+/- 2% (nominal)

### Purge Rate

100 to 500ml/h (limited by syringe size)  
Purge volume range is 0.5ml - 5ml

### Purge volume

range 0.5 to 5ml

### Bolus Rate

5ml syringe - 10 - 150ml/h	20ml syringe - 10 - 600ml/h
10ml syringe - 10 - 300ml/h	30ml syringe - 10 - 900ml/h
	50ml syringe - 10 - 1200 ml/h

### Bolus Volume

0.1-25ml (hands-on and hands-free)

### Drug Names/Protocols

Configurable for up to 100 drugs per profile

### Alarms, Prompts & Warnings

Alarm beacon with alarm (red) & warning (amber) indicators

### Audible alarm and display messages include:

Occlusion, Drive disengaged, AC power failure, Internal malfunction, Battery low, Battery empty, Near end of infusion, End of infusion, VTBI done, Check Syringe

### Quiet Mode

Mutes key presses and power down tone (if enabled)

### Occlusion Settings

11 Levels from L0-L10.

### BackOff

Reduces post occlusion bolus

### Event Log

min 1500 events

### Key Press Log

200 Key presses

### AC Power requirements

115-230 VAC, 50-60Hz. 20VA (nominal)

### Battery Type

Rechargeable NiMH

### Battery Life

Operates for 6 hrs from full charge (5ml/h @ 20°C under normal conditions) *Consult operating instructions.*

### Recharge Time

2.5hrs from discharge to 90% charge

### Materials

Latex free throughout

### Communications Ports

IrDA for wireless data transfer  
RS232 for data transfer via serial cable

### Standards

EN60601-1, EN60601-1-2, EN60601-2-24

### Electrical Protection

Class I

### Dimensions (mm):

310(w) x 117(h) x 200 (d)

### Weight

2.7kg

International Headquarters  
CareFusion Switzerland 317 Särl  
+41 21 556 30 00 tel

CareFusion U.K. 306  
+44 800 917 8776 tel

CareFusion Australia  
316 Pty Limited  
+61 2 9624 9000 tel

CareFusion New Zealand 313 Ltd  
+64 9 270 2420 tel  
0508 422734 freephone

CareFusion South Africa  
+27 21 510 7562 tel  
+27 21 510 7567 tel

CareFusion Dubai  
+97 14 2822 842 tel

[carefusion.com](http://carefusion.com)



# CareFusion