

smiths

Volumetric Infusion Pumps

when accuracy matters



Fact:

The Archer Fish, which live in the Mangroves of South East Asia, are famed for their ability to shoot a highly accurate jet of water from their mouths in order to knock down prey.

THE DETAILS GIVEN IN THIS LEAFLET ARE CORRECT AT THE TIME OF GOING TO PRESS. THE COMPANY RESERVES THE RIGHT TO IMPROVE THE EQUIPMENT SHOWN.

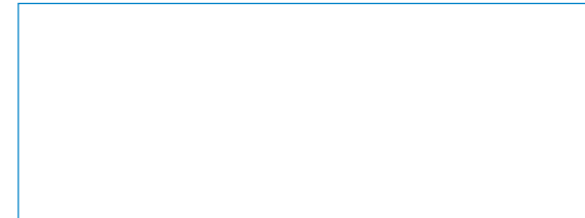
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Literature No. LIT/MD2535



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INFUSIONMANAGEMENT

VOLUMETRIC INFUSION PUMPS

VOLUMETRIC INFUSION PUMPS



Model 500/3000

Specification - Volumetric Infusion Pump

Weight	5kg
Dimensions	Including pole clamp
	Height 28cm
	Width 21.5cm
	Depth 23.5cm
Operating temperatures	18° to 40°C (64° to 104°F)
Storage/transport conditions	-25° to +55°C (-13° to +131°F)
Accuracy	± 2% of displayed rate and volume to be infused
Programmable options:	Pump Identifier Drug List Primary Rate Limits Primary Volume to be Infused Limits Secondary / Bolus Rate Limits Secondary / Bolus Volume to be Infused Limits KVO Selectable Rate Occlusion Default Secondary Stop Bolus Quick Rate Change Rate Taper Volume Over Time Dose-Rate Calculation Dose-Rate Calculation Recovery Auto-lock Keypad Service Date

Infusion Ranges

Rate	Range	Increment
Model 500/3000	0.1 to 99.9 ml/h 1 to 999 ml/h	0.1 ml/h 1 ml/h

Occlusion Pressure Alarms

(approximate values)
Pressure

Units	Low	Medium	High
mmHg	103 mmHg	259 mmHg	517 mmHg
psi	2 psi	5 psi	10 psi
kPa	13.5 kPa	34.5 kPa	68.9 kPa

Safety Features

- User selectable manual or automatic keypad locks, minimises potential of interference with pump.
- Administration set based free-flow protection.
- Three types of alarms.
- Primary and secondary rate limits.
- Primary and secondary volume to be infused limits.

Delivery Accuracy ± 2%

- Reliable infusions for your patients.

Easy...

- To set-up.
- To use.
- To troubleshoot.
- To prime and load the administration sets.



Model 505/3100

Infusion Ranges

Rate	Range	Increment
Micro 505/3100	0.1 to 99.9 ml/h	0.1 ml/h

Recognised in intensive care units, general wards and specialist care units such as Oncology, Haematology and Neonatal care, the Graseby® Volumetric Pump is trusted by healthcare professionals across the world.

Offering versatility and high levels of accuracy, the Graseby® Volumetric Pump meets a broad range of infusion applications including blood transfusion.

The unique air-in-line removal system provides safe and effective fluid delivery.

Modular System

Allows up to three pumps to be joined together.

- Space saving.
- Safety locking feature.
- Easy to read displays with all three pumps at the same height.
- Easy to identify IV lines.

Programmable Default Occlusion Pressure

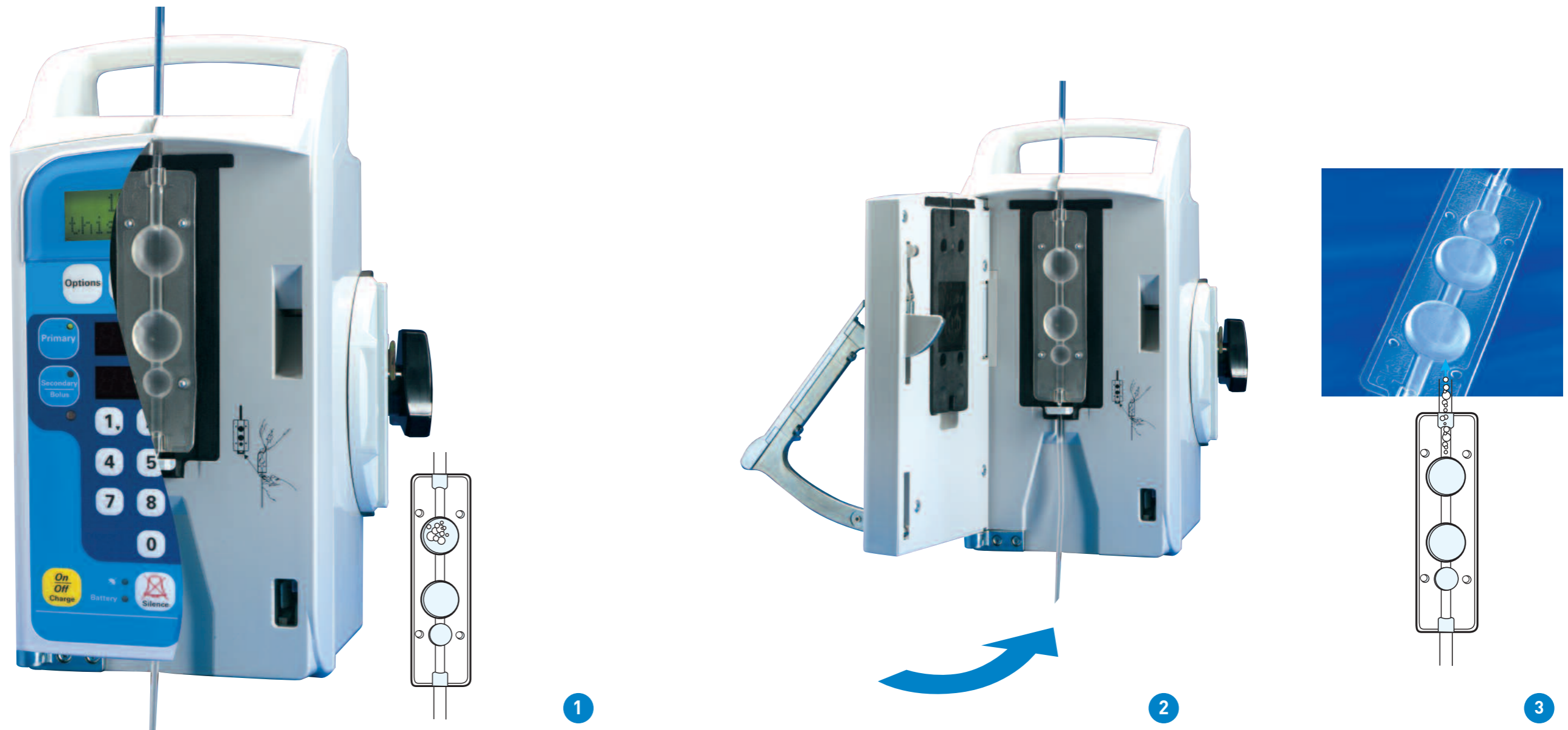
- Pump starts up in selected occlusion pressure setting.
- Increases safety for all infusions, especially Epidural, Neonates, Paediatrics and Critical Care.

Paediatric Volumetric Pump

- Flow rate from 0.1 — 99.9mls.
- Low occlusion pressure alarm.
- Specific administration sets.

VOLUMETRIC INFUSION PUMPS

VOLUMETRIC INFUSION PUMPS



Three Simple Steps for Unique Air-in-Line Removal

STEP

1

Only 0.5ml of air collects in top bubble of cassette. The alarm sounds and the pump stops infusing.

STEP

2

Simply open and slowly close door.

STEP

3

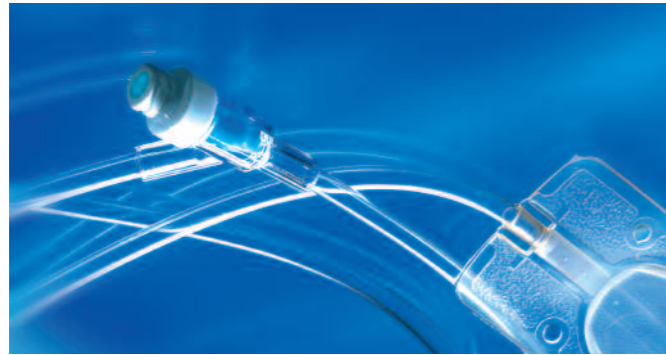
Closing action pushes air back up into the container. No disconnection from patient needed so minimises risk of infection.

No air can be infused to the patient.

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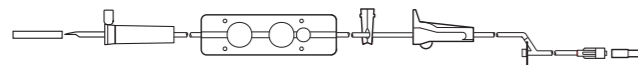
VOLUMETRIC PUMP ADMINISTRATION SETS

VOLUMETRIC PUMP ADMINISTRATION SETS



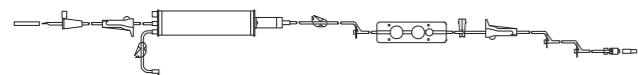
Standard Adult Set 8C-820
20 drops per ml drip chamber/1 Y-site.

Product Codes	
injection Y-site	21-0346-25
needlefree Y-site	21-0402-25



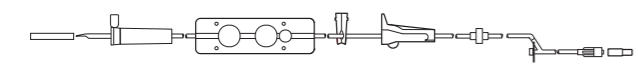
Standard Adult Burette Set 8C-1230
20 drops per ml drip chamber/3 Y-sites. 150ml burette.

Product Codes	
injection Y-site	21-0318-25
needlefree Y-site	21-0440-25



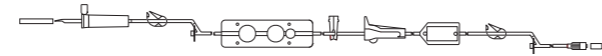
Standard Filter Set 8C-825
20 drops per ml drip chamber /15 micron filter, filters out particles down to 15 microns. 1 Y-site.

Product Codes	
injection Y-site	21-0347-25
needlefree Y-site	21-0441-25



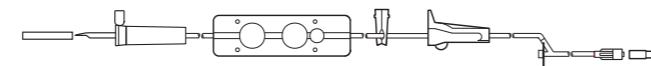
Filter Set 8C-4240
0.22 micron filter, filters out particles down to 0.22 microns, prevents bacterial contamination. 20 drops per ml drip chamber/2 Y-sites.

Product Code	
injection Y-site	21-0352-25



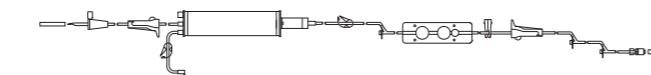
Standard Paediatric Set 8C-860
60 drops per ml drip chamber/1 Y-site.

Product Codes	
injection Y-site	21-0348-25
needlefree Y-site	21-0446-25



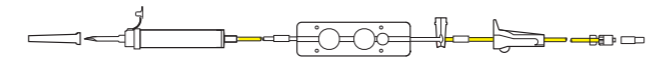
Standard Paediatric Burette Set 8C-1630
60 drops per ml drip chamber/3 Y-sites. 150ml burette.

Product Codes	
injection Y-site	21-0319-25
needlefree Y-site	21-0444-25



Epidural Set 8C-390
Yellow tubing for easier I/V line identification. 20 drops per ml drip chamber/No Y-sites.

Product Code	
no Y-sites	591-101



All diagrams are a representation of the administration sets configuration.

Administration Sets

Safety, ease of use and choice

- Easy to prime and load administration sets.
- Safety clip for free-flow protection.
- Available with injection Y-site or needlefree Y-site.

Needlefree Administration Sets

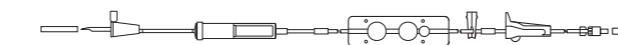
Safe

- Eliminates risk of needlestick injury.
- Reduces the risk of contamination.
- Latex free.



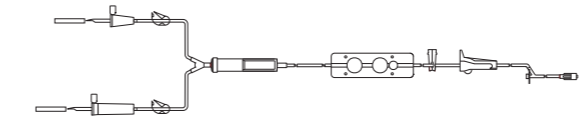
Standard Blood Set 8C-591
200 micron filter /No Y-site.

Product Code	
no Y-sites	591-082



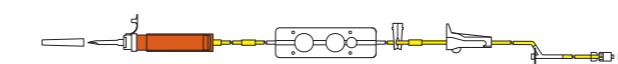
Blood Set 8C-195
150 micron filter.
2 C clamps to allow either primary or secondary line to be clamped when not in use. 1 Y-site.

Product Codes	
injection Y-site	21-0316-25
needlefree Y-site	21-0443-25



Opaque Set 8C-820-2
Yellow tubing and brown drip chamber for infusion of light sensitive drugs.

Product Code	
injection Y-site	1820-002

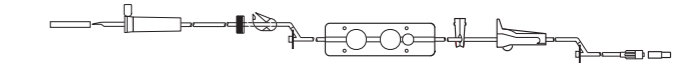


Easy to Use

- Three simple steps: clean, connect and disconnect.
- Suitable for luer-lock syringes.
- Flat top allows for easy cleaning.

Piggyback Set (with checkvalve) 8C-4220
Y-site above the cassette for attachment of a secondary infusion. The checkvalve limits secondary fluid from going into the primary bag.

Product Codes	
injection Y-site	21-0349-25
needlefree Y-site	21-0442-25



Piggyback Set (without checkvalve) 8C-230
Y-site above the cassette for attachment of a secondary infusion. 20 drops per ml drip chamber/2 Y-sites.

Product Codes	
injection Y-site	21-0345-25
needlefree Y-site	21-0445-25



Low Adsorption Set 8C-290
Polyethylene-lined tubing with PVC cassette, specifically for drugs that react with PVC. 20 drops per ml drip chamber/No Y-sites.

Product Code	
no Y-sites	21-0317-25

