

smiths medical
graseby™



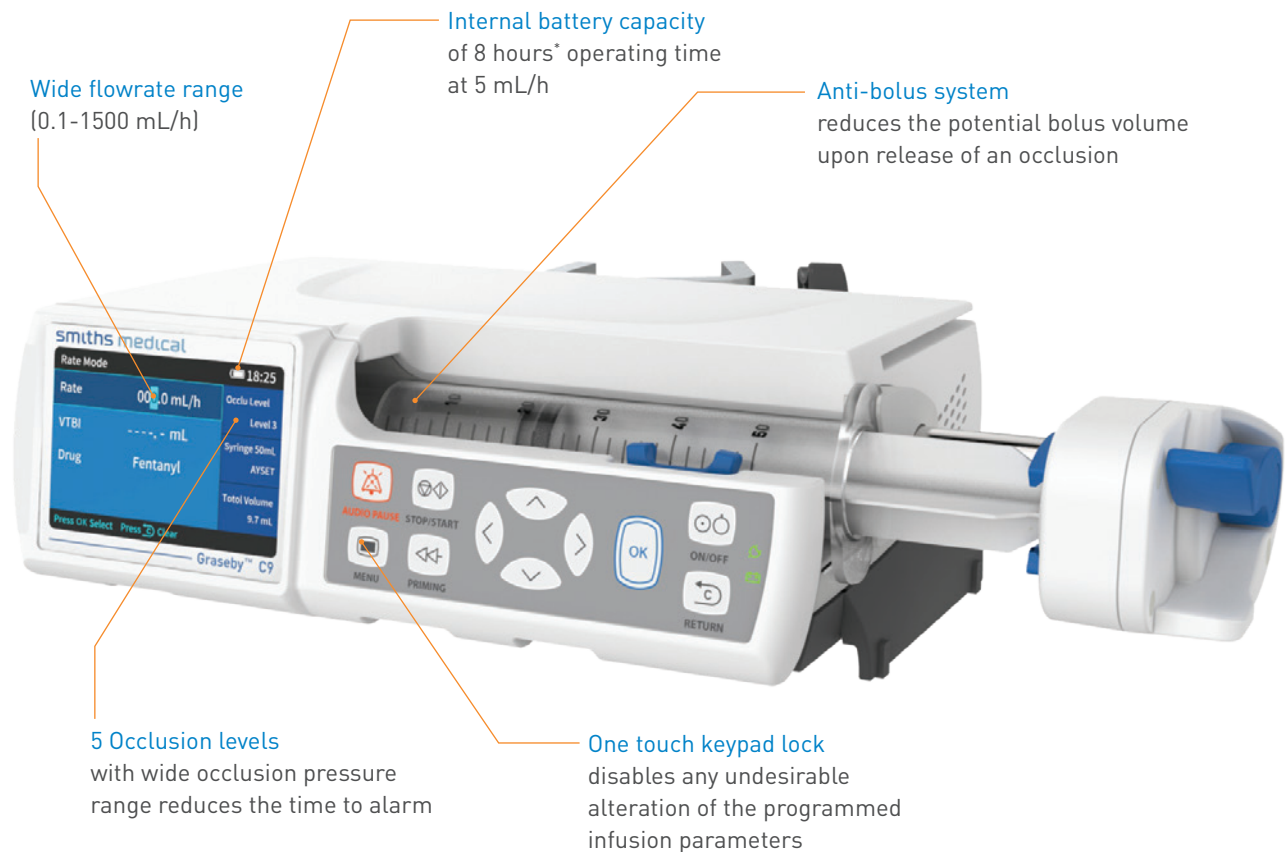
Graseby™ C9 Syringe Pump

Accuracy and versatility that makes a difference



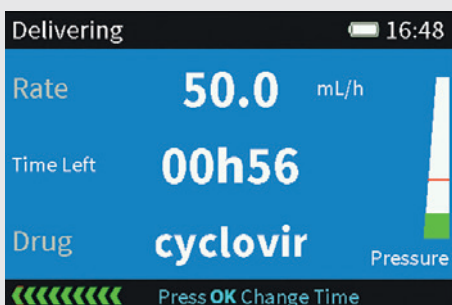
GRASEBY™ C9 SYRINGE PUMP

Widely used in Intensive Care Units (ICUs), Operating Rooms (OR) and general wards around the world, Graseby™ pumps have long been acknowledged and trusted by clinicians for nearly 40 years.



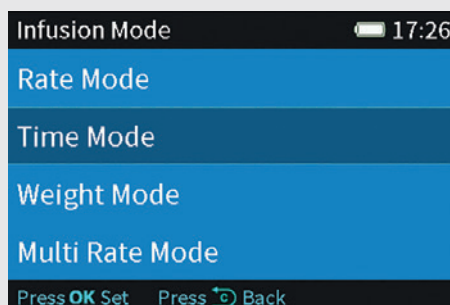
* At room temperature higher than 15°C; display brightness level not higher than 5

THE NEW GRASEBY™ C9 OFFERS YOU HIGH FLOW ACCURACY OF $\pm 1.8\%$ THEREBY ENSURING RELIABLE AND PRECISE DELIVERY.



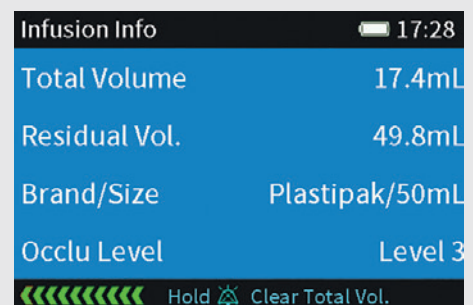
DPD (Dynamic Pressure Display)

Unique safety system that monitors and analyses delivery pressure. On-screen bar graph monitors trends in the infusion and alerts the user of an occlusion before the occlusion is triggered.



Multiple infusion modes

Option to choose from different infusion modes like Rate mode, Time mode, Weight mode and Multi-rate mode in order to assist with optimal treatment for the patient.



Auto syringe recognition

Auto recognition of pre-calibrated syringe brands and sizes may save nursing staff's time.

Detachable carrying handle for easy transport

Alarm indicator light for long range visibility

Mounts easily to IV pole and is self-stackable up to 4 pumps



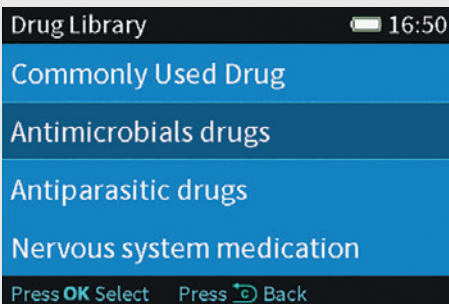
Accepts multiple syringe sizes and auto detects various syringe brands and sizes from 5 mL to 50 mL

Manual or Auto syringe calibration enables user to calibrate any syringe brand by the bedside

Pre-calibrated with 8 frequently used syringe brands with an option to store 5 additional user-defined brands

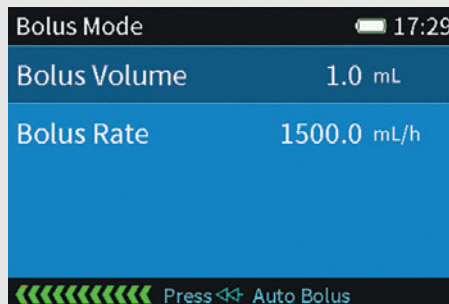
Pre-calibrated syringe brands

- BD Plastipak
- Romsons Junior
- B.Braun Omnivan
- Nipro
- Terumo
- Unolok
- BD Precise
- Dispovan



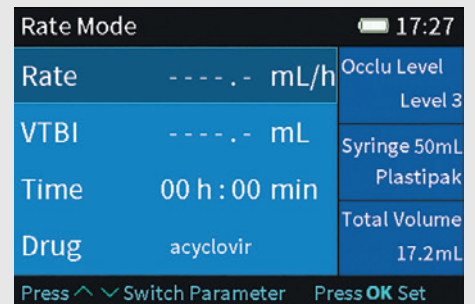
Comprehensive drug list

Store up to 500 drug names of which 150 commonly used are pre-set.



Pre-set Bolus

Configurable bolus with pre-selection of bolus volume and bolus rate improves drug distribution.



Informative home screen

Pump home screen shows all critical infusion parameters that can be easily read in one clear view with distinct drug colour coding.



Graseby™ C9 Syringe Pump Specifications

Infusion accuracy	±1.8%
Mechanical accuracy	±0.8%
Flow rate range	0.1 - 1500 mL/h (increments of 0.1 mL/h)
Syringe sizes	5 mL, 10 mL, 20 mL, 30 mL, 50 mL
Infusion rate	5 mL syringe: 0.1-210.0 mL/h 10 mL syringe: 0.1-300.0 mL/h 20 mL syringe: 0.1-400.0 mL/h 30 mL syringe: 0.1-600.0 mL/h 50 mL syringe: 0.1-1,500.0 mL/h
Infusion modes	Rate mode Time mode Weight mode Multi-rate mode
VTBI range	0.1~9,999.9 mL
Dose range	0.01~99.99 µg/kg/min
Body weight range	0.1~300 kg
Drug mass range	0.1~999.9 mg
Volume range	0.1~9999.9 mL
Priming/Bolus rate	5 mL syringe: 1.0-210.0 mL/h 10 mL syringe: 1.0-300.0 mL/h 20 mL syringe: 1.0-400.0 mL/h 30 mL syringe: 1.0-600.0 mL/h 50 mL syringe: 1.0-1,500.0 mL/h
Occlusion pressure range	5 selectable levels; Range from 100 mmHg to 900 mmHg
Drug list	Store up to 500 drug names
Alarms	Occlusion, Infusion near complete, Infusion completed, Low battery, Battery depleted, System idle, Syringe plunger open, Syringe clamp open, Transmission error, System error
KVO rate	0.0 - 5.0 mL/h (depending on syringe size)

History log	Up to 5,000 records
Power Supply	External AC/DC; 100-240 V, 50/60 Hz 25 VA, 15 VDC Lithium ion battery, 2,600 mAh, 8 hours operating time (Condition: Fully charged new battery; 5 mL/h infusion rate; no alarm triggered; room temperature higher than 15°C; display brightness level not higher than 5)
Interface type	RS 232
Weight	1.8 Kg (Not including the pole clamp and power adapter)
Dimensions (w/h/d)	158 x 88 x 299 mm (Not including the pole clamp)
IPX Rating	IPX3

Pre-Calibrated Syringe Brands

Brand	Syringe Size
BD Plastipack	50 mL
Romsons Junior	5 mL, 10 mL, 20 mL, 50 mL
B.Braun Omnivan	5 mL, 10 mL, 20 mL, 50 mL
Nipro	5 mL, 10 mL, 20 mL, 50 mL
Terumo	20 mL, 30 mL, 50 mL
Unolok	50 mL
BD Precise	5 mL, 10 mL, 20 mL, 50 mL
Dispovan	5 mL, 10 mL, 20 mL, 50 mL

Ordering Information

SKU	Plug Type
32D3X101	Plug Type D
32R3K100	Plug Type G and Plug Type C
32S3K100	Plug Type G and Plug Type C

For more information visit our website at www.smiths-medical.com

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