

smiths medical
graseby™

Graseby™ 2100 and 2000 Syringe Pump Range

Affordable quality from a name you can trust



Graseby™ 2100 Syringe Pump



Body weight mode

The Graseby™ 2100 syringe pump also offers programming in mass units using the body weight mode. Programmable in either mcg/kg/min or mg/kg/hr, the infusion rate is automatically calculated and displayed in mL/hr – simple and easy to use.

Versatile

The 3 adjustable occlusion pressure settings allow the Graseby™ 2100 and 2000 syringe pumps to be tailored to the specific requirements of the therapeutic care area.

With programmable infusion rates between 0.1 and 1200 mL/hr the Graseby™ 2000 syringe pump range is suitable for a wide variety of clinical settings including anaesthesia and critical care, paediatric and general ward use.

The Graseby™ 2000 range of syringe pumps can be used throughout the hospital providing familiarity and consistency to clinical teams.

Wide range of syringe brands

The Graseby™ 2000 range of syringe pumps support a wide variety of syringe sizes and brands including major manufacturers and selected local brands. The pumps also provide automatic sensing of 20 mL, 30 mL and 50 mL syringes.

Subset of Syringe Brands

- APEXMED 20 ML, 50 ML
- AYSET 20 ML, 50 ML
- B BRAUN OMNIFIX 50 ML
- BD PLASTIPAK 20 ML, 30 ML, 50 ML
- FRESENIUS INJECTOMAT 50 ML
- NIPRO 20 ML, 30 ML, 50 ML
- POLFA 20 ML
- ROMSONS JUNIOR 50ML
- TERUMO 20 ML, 30 ML, 50 ML
- UNOLOK 20 ML, 50 ML

Graseby™ 2000 Syringe Pump



On-pump syringe loading guidelines

3 adjustable occlusion pressure settings

Programmable infusion rates between
0.1 and 1200 mL/hr

Patient tubing holder

The Graseby™ 2000 range of syringe pumps offer affordable quality from a name you can trust.

Recognised in operating theatres, intensive care units and general wards across the world, Graseby™ infusion pumps have been trusted by healthcare professionals for over 40 years.

Both the Graseby™ 2000 and the Graseby™ 2100 syringe pumps provide simple, reliable and easy to use infusions for a wide range of clinical therapy areas.

Easy to use

The on-pump syringe loading guidelines provide clear instructions to support clinicians where they need it, at the bedside.

The 4 step (syringe brand, infusion rate, VTBI and occlusion level) programming sequence allows for quick and simple programming, meaning clinicians can spend more time with the patient, not the pump.

Added safety

The Graseby™ 2000 range of syringe pumps also offer a variety of safety features including:

Post occlusion bolus reduction

In the event of an occlusion alarm the pump will minimise the potential post occlusion bolus by reducing the pressure in the patient tubing.

Patient tubing holder

The patient tubing holder reduces the risk of accidental syringe displacement if the patient line is inadvertently pulled or caught.

Wide range of alarms

The pumps feature a wide range of audio and visual alarms including 'syringe error' and 'barrel clamp opened' to ensure clinician awareness and prompt intervention where necessary.

Specifications

| Graseby™ 2100 and 2000 | | |
|--------------------------------------|---|-----------------------|
| Weight | 2.1 kg (approx, including pole clamp) | |
| Dimensions | 307 mm x 133 mm x 128 mm (not including pole clamp) | |
| AC Power Supply | 220 – 230V or 110 - 120V (not user adjustable) at 50 - 60Hz | |
| Battery Type | Rechargeable 12 V DC Nickel Metal Hydride Ni-MH | |
| Battery Life | 4 hours at 5 mL/h | |
| KVO Rate | 0.5 mL/hr (continuous mode, not VTBI) | |
| Programming Range: | | |
| Infusion Rate | 0.1 mL/h to 1200 mL/h dependent on syringe size | |
| Volume To Be Infused (VTBI) | 0.1 mL to 9999 mL | |
| Occlusion Sensing – Pressure Levels: | | Approximate Pressure: |
| Low (L) | 300 mmHg ± 100 mmHg | 40.0 kPa ± 13.3 kPa |
| Medium (C) | 500 mmHg ± 100 mmHg | 66.7 kPa ± 13.3 kPa |
| High (H) | 800 mmHg ± 200 mmHg | 106.7 kPa ± 26.7 kPa |
| Pump Mechanical Accuracy | ±2% (for programmed infusion rates of 5 mL/h and above) | |

| Graseby™ 2100 - Body Weight Mode Specifications | |
|---|------------------------|
| Mass Units | mcg/kg/min or mg/kg/hr |
| Body Weight | 0.1 kg to 300 kg |
| Drug Mass | 0.1 mg to 999.9 mg |
| Solution Volume | 0.1 mL to 999.9 mL |

Product Codes

| Graseby™ 2100 Syringe Pump | | | |
|----------------------------|----------|-----------|---------------------------------|
| Product Code | Language | Voltage | Power Cord Incorporating: |
| 12D1X100 | English | 220 – 230 | Plug based on BS 546 |
| 12D1W100 | English | 220 – 230 | Cee 7/7 Schuko plug |
| 12D1T100 | English | 220 – 230 | GB 2099.1 plug |
| 12D1V100 | English | 220 – 230 | CEI 23-50-II plug |
| 12D1Y100 | English | 220 – 230 | BS 1363 plug |
| 12D1S100 | English | 220 – 230 | NEMA 5-15P plug |
| 12D2S100 | English | 110 – 120 | NEMA 5-15 'Hospital Grade' plug |

| Graseby™ 2000 Syringe Pump | | | |
|----------------------------|----------|-----------|---------------------------------|
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| 11D1S100 | English | 220 – 230 | NEMA 5-15P plug |
| 11D2S100 | English | 110 – 120 | NEMA 5-15 'Hospital Grade' plug |

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

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