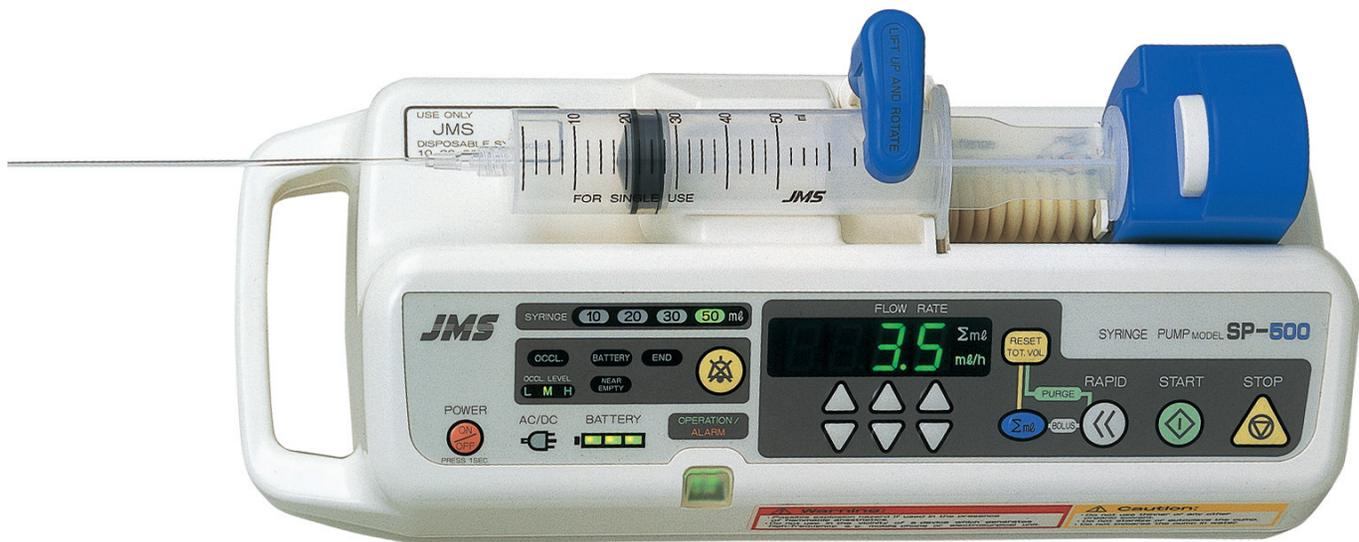


SP-500

Syringe Pump

The JMS SP-500 Syringe Pump provides accurate and continuous delivery of medication with a disposable syringe.



Features

- ◆ Occlusion pressure is monitored by means of a load cell sensor built into the slider.
- ◆ The pressure sensor ensures the correct delivery, preventing potential risk of an unintended infusion caused by a negative venous pressure.
- ◆ The high quality stepper motor enables a non-pulsatile flow, even at an extremely low flow rate.
- ◆ The pump features two CPUs that monitor all functions in order to ensure safe, breakdown-free operation.
- ◆ The syringe can be loaded in a single action via the exclusive gate opening mechanism.

Applications

- 1) Infusion of cancer-fighting drugs, hormones and anesthetic agents.
- 2) Infusion of nutrition, vasodilators and vasopressors in ICU, CCU and NICU.
- 3) Administration of milk and enteral nutrition to prematurely born babies and newborns.



SP-500

SP-500 Syringe Pump Technical Specifications

Name	JMS SYRINGE PUMP
Model	SP-500
Syringes	10 ml, 20 ml, 30 ml, 50 ml-Syringes
Flow Rate Range	0.1~ 200 ml/h 10 ml-syringe 0.1~ 300 ml/h 20, 30 and 50 ml-syringes (0.1 ml/h increments)
Rapid Flow Rate	Approx. 200 ml/h (10 ml syringe) Approx. 350 ml/h (20 ml syringe) Approx. 450 ml/h (30 ml syringe) Approx. 800 ml/h (50 ml syringe)
Accuracy	Drive Accuracy: $\pm 1\%$, with JMS syringes: $\pm 3\%$ (After 1 hr with flow rate of 1 ml/h or higher)
Total Volume Display	0.1 – 999.9 ml (resettable)
Adjustment of Occlusion Level	Three levels can be selected: [L] [low pressure] 0.2 ~ 0.6 Kgf/cm ² (150 ~ 440 mmHg, 20 ~ 60 kPa) [M] [medium pressure] 0.5 ~ 0.9 Kgf/cm ² (370 ~ 660 mmHg, 50 ~ 90 kPa) [H] [high pressure] 0.8 ~ 1.4 Kgf/cm ² (590 ~ 1000 mmHg, 80 ~ 140 kPa)
Alarms	Occlusion, Low Battery, Almost Empty, End, Syringe Disengaged, Reminder
Operating Conditions	Room temperature: 10 ~ 40 °C Relative Humidity: 30 ~ 85%
Storage Conditions	Room Temperature: -10 ~ 45 °C (in the package) Relative Humidity: 30 ~ 95% (in the package) (Operating and storage areas should not be exposed to condensation or to direct sunlight).
Power Supply Source	USA Plug: 120 VAC, 220/230 VAC European Plug: 220/230/240 VAC (50/60 Hz) UK Plug: 220/230 VAC
Maximum Power Consumption	15 VA
Battery	<ul style="list-style-type: none">• Nickel Cadmium Rechargeable Battery• Service life of the battery: approx. 4 hours (fully charged new battery)• Recharge time: 17 hours, when it is fully drained.
Classification	Class I, and CF-type internal battery
Standard	IEC 60601-1
Measurements	340 (width) x 134 (depth) x 134 (height) mm
Weight	Approx. 2.6kg
Accessories	AC Power Cord (3m) Pole Brace Operator's Manual Quick Reference Sheet



**For further information, call us
or contact your local distributor**

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BRO/500-E/001

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