

BeneFusion SP1 Vet

Syringe Pump

Quick guidance, training-free operation

The Mindray BeneFusion SP1 Vet is a veterinary syringe pump that is accurate, safe, and easy to use. Its precise algorithm allows for high infusion accuracy. Featuring a graphic alarm with animation display, the BeneFusion SP1 Vet makes it easy to identify and locate issues.

FEATURES

- High accuracy of the rate $\leq \pm 2\%$ or $\pm 0.005\text{ml/h}$, whichever is larger, is implicit in a product developed for veterinary use.
- Fast start function: First drop delivered within 2-3 seconds, ensuring immediate therapy for even the lowest rates.
- High level of resistance to water and dust: IP34.
- Intelligent Occlusion Management System: Dynamic Pressure System and anti-bolus.
- Meet EN1789 standard, supporting use in vet ambulance.
- Common operation less than 3 steps.
- Universal pole clamp for cage mounting (optional).
- Pre-configured syringes.



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SPECIFICATIONS



Weight:
< 1.8 kg



Size:
336 x 132 x 110 mm

Screen:
2.5" LCD monochrome screen,
132 x 32 pixels



Voltage:
100 240 V~

Frequency:
50/60Hz

Current:
0.4 0.14A



Brightness:
1-8 levels, adjustable

Battery Operating Time:
 ≥ 6 hours at 5ml/h (standard),
 ≥ 12 hours at 5ml/h(optional)

Battery Charging Time:
Standard (1 battery): ≤ 5 hours
Optional (2 batteries): ≤ 10 hours

Interface:
RS232; nurse call connector;
DC adapter

Parameter Specifications

Accuracy: ≤±2%	Bolus Rate: 0.1-1500ml/h
Mode: rate mode	Occlusion Detection: 3 levels selectable: Low:300 mmHg/ Medium:525 mmHg/ High:900 mmHg;
Flow Rate: 0.1-1500ml/h	4 units of pressure selectable: mmHg/kPa/bar/psi
Increment: 0.1ml(0.1 999.9ml/h); 1ml(1000 2000ml/h)	Anti-Bolus: unexpected bolus reduced when the occlusion occurs
Preset Volume(VTBI): 0. 1 9999ml (increment: 0.1ml)	Auto-lock Time: 1-5 minutes selectable; ON/OFF switchable
Accumulated Volume: 0.1-9999 ml, increment is 0.1ml	
KVO: 0.5 ml/h, not adjustable	
Purge Rate: 150-800ml/h	

Syringes

Compatibility:
5/10/20/30/50/60ml;
automatic recognition of syringe
size

Alarms

Type: audible and visual alarm	Near Done/ Syringe not inserted/ No communication/ Syringe Nearly Empty
3 Levels: High: Occlusion/ VTBI Done/ KVO finish/ Battery Empty/ System Error/ Syringe Disengaged/ Syringe Empty Medium: abnormal system/ standby times expired Low: Battery Low/ AC power Disconnection/ Reminder/ VTBI	Sound Volume: 1-8 levels selectable, default is level 4
	Reminder: 1-5 minutes selectable; ON/OFF switchable

Work Environment

Temperature: 0-40°C for operating; -40-70 °C for storage	Atmosphere Pressure: 57-106 kPa for operating; 50-106 kPa for storage
Relative Humidity: 15-95% for operating; 10-95% for storage	Level of Resistance to Water and Dust: IP34