

BeneFusion VP1 Vet

Infusion Pump

Accurate, safe and easy to use

The Mindray BeneFusion VP1 Vet infusion pump is accurate, safe, and easy to use. It has an Intelligent Occlusion Management System with DPS and anti-bolus, and five adjustable air bubble detection levels. The BeneFusion VP1 provides reliable infusion, with accuracy $\leq \pm 5\%$.

FEATURES

- Reliable infusion, with accuracy $\leq \pm 5\%$.
- High level of resistance to water and dust: IP34.
- Intelligent Occlusion Management System: DPS and anti-bolus, five adjustable air bubble detection levels.
- Meets EN1789 standard, supporting use in vet ambulance.
- Common operation less than 3 steps.
- Universal pole clamp for cage mounting (optional).
- Pre-configured IV sets.



SPECIFICATIONS



Weight:
<1.8 kg
(Without pole clamp)



Dimensions:
<150 mm L x 90 mm W x 200 mm H
(Without pole clamp)



AC Power Supply:
Voltage: 100-240V~
Frequency: 50/60 Hz
Current: 0.40-0.14A
Fuse: Low interrupting rating,
T1A 250 V~

External DC Power Supply:
Voltage: DC 10V-16V
Current: 2.25A-1.5A



Display Type:
Monochrome LCD

Display Size (Diagonal):
2.5"

Display Differentiation:
132 x 32 pixels

Alarm Light:
1 (red/yellow bi-color)

AC/DC Indicator Light:
1 (green)

Battery Indicator Light:
1 (green)

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Specifications

Bolus Rate: 0.1-1500ml/h	Accum. Bubble: 0.1-4.0ml/h
Purge Rate: 600ml/h, nonadjustable	Auto-lock Time: Off, 1-5min, step for 1min
VTBI Range: 0.1-9999ml	Reminder Time: Off, 1-5min, step for 1min
Time Display Range: 00:00:01-99:59:59 h:m:s	Near End: Off, 1-30 min when the time is <10min, step for 1min, and step for 5 min when the time is ≥10 min
Volume Range: 0.1-9999ml	Infusion Accuracy: Infusion accuracy error ≤±5%
Standby Time Range: 00:01-99:59 hh:mm	Alarm Information: Occlusion, VTBI Done, Battery Empty, VTBI Near Done, Reminder, Battery Low, AC Power Disconnection, System Error, System abnormal, KVO Finish, Standby Time Expired, Tube not inserted, Air in line, Door opened, Empty bottle, Drop error and No communication
Infusion Mode: Rate Mode	Status Indicators: Stop, infusion, bolus, KVO, pause, standby, alarm and purge
KVO Rate: 0.5ml/h, nonadjustable	Dose of Single Fault: About 0.8ml
Anti-bolus: On, Off	
Occl. Pressure: Low, Medium and High, respectively are 150±125 mmHg(20.0±16.7 kPa), 525±125 mmHg(70.0±16.7 kPa), 900±180 mmHg(120.0±24.0 kPa). Maximum occlusion pressure is about 1300mmHg.	
Pressure Unit: mmHg, kPa, bar and psi	
Bubble Size: 1-5, respectively are (50, 100, 250, 500, 800) µl Sensitivity of single bubble is 50µl.	

Internal Battery

No. of Batteries: 1 (standard) or 2 (optional)	battery. Continuously operate at the maximum selectable rate, disable Wi Fi function, discharge for at least 2h (1 battery) or 4 h (2 batteries) using a fully charged new battery.
Battery Type: Lithium battery	
Shutdown Delay: At least 30 mins (new battery, after the first low battery alarm)	
Rated Battery Voltage: 7.4 VDC	Charging Time: When the pump is off, the charging time is not longer than 6h (1 battery) or 12h (2 batteries).
Battery Capacity: 2600 mAh (1 battery) or 5200 mAh (2 batteries)	
Power Supply Time: Continuously operate at a rate of 25 ml/h, disable Wi Fi function, discharge for at least 4h (1 battery) or 8h (2 batteries) using a fully charged new	