Friendliness

- Compact and light weight design for easy carrying and mounting
- One hand operation" and intuitive keypad
- Long runtime battery, for emergency and transfer, and saves electrical sockets

Safety

- High accuracy up to 2%, satisfying small animal use
- Fast start function against start delay under very low rate
- Dynamic pressure display, prevents occlusion caused by small animal movement

Connectivity

- WiFi connection available
- Dock support

BeneFusion SP1 Vet Syringe pump

mindray

healthcare within reach

BeneFusion SP1

Specifications and functions	
Dimension	330 x 126 x 110mm
Syringe size	5, 10, 20, 30, 50/60ml
Infusion mode	Rate mode
Flow rate range	5ml syringe: (0.1~150) ml/h; 10ml syringe: (0.1~300) ml/h; 20ml syringe: (0.1~600) ml/h 30ml syringe: (0.1~900) ml/h; 50ml/60ml syringe: (0.1~1500) ml/h
Accumulated volume	0.1~9999 ml, increment is 0.1 ml
VTBI	0.1~9999 ml, increment is 0.1 ml
Increment	0.1~999.9 ml/h, increment is 0.1 ml/h; 1000~1500 ml/h, increment is 1 ml/h
Accuracy	Flow rate≥1 ml/h: Accuracy ≤ ±2%; Flow rate＜1 ml/h: Accuracy ≤ ±3%
KVO rate	0.5 ml/h, unadjustable
Bolus/Purge rate	0.10-1500ml/h (depending on syringe size)
Occlusion	Low 300±75 mmHg (40kPa) Medium 525±75 mmHg (70kPa) High 900±135 mmHg (120 kPa)
Screen	2.5" LCD monochrome screen
Titration	Yes
Keypad lock	Yes
Pause	Yes
Automatic recognition of syringe size	Yes
Self-test system	Yes
Weight	<1.8kg (including clamp)
Dock	Supported
Handle	Included
Mounting type	Standard: Vertical Pole; Optional: Horizontal Pole
Alarm Volume	1-8 levels selectable
Preset syringe brand	8, include B-D, B.Braun, Terumo, and 5 Chinese brand; local brand configuration supported
Language	11, Chinese, English, French, Russian, Turkish, Portuguese, Polish, Bulgarian, Czech, Romanian
Alarm	
	VTBI done, VTBI near done, KVO finish, syringe empty, syringe near empty, syringe disengaged, occlusion, system error, system abnormal, battery low, battery empty, reminder, AC power disconnection, standby
Safety Requirement	
AC power	100-240V (50/60Hz)
Battery type	Lithium
Battery operation time	Standard: 6 hours@5ml/h; Optional: 12 hours@5ml/h
Charging time	<5hours
Classification	CF, Class I
IP Grade	IP 34
Temperature	0~40ºC for operating, -40~70ºC for storage
Humidity	15~95% for operating, 10~95% for storage
Air pressure	57~106kPa for operating, 50~106kPa for storage
Interface	
Data interface	Supported, RS232
Wireless	WiFi (optional)
Nurse Call	Supported
DC input	Supported
Ambulance	Supported, meet EN-1789 requirement