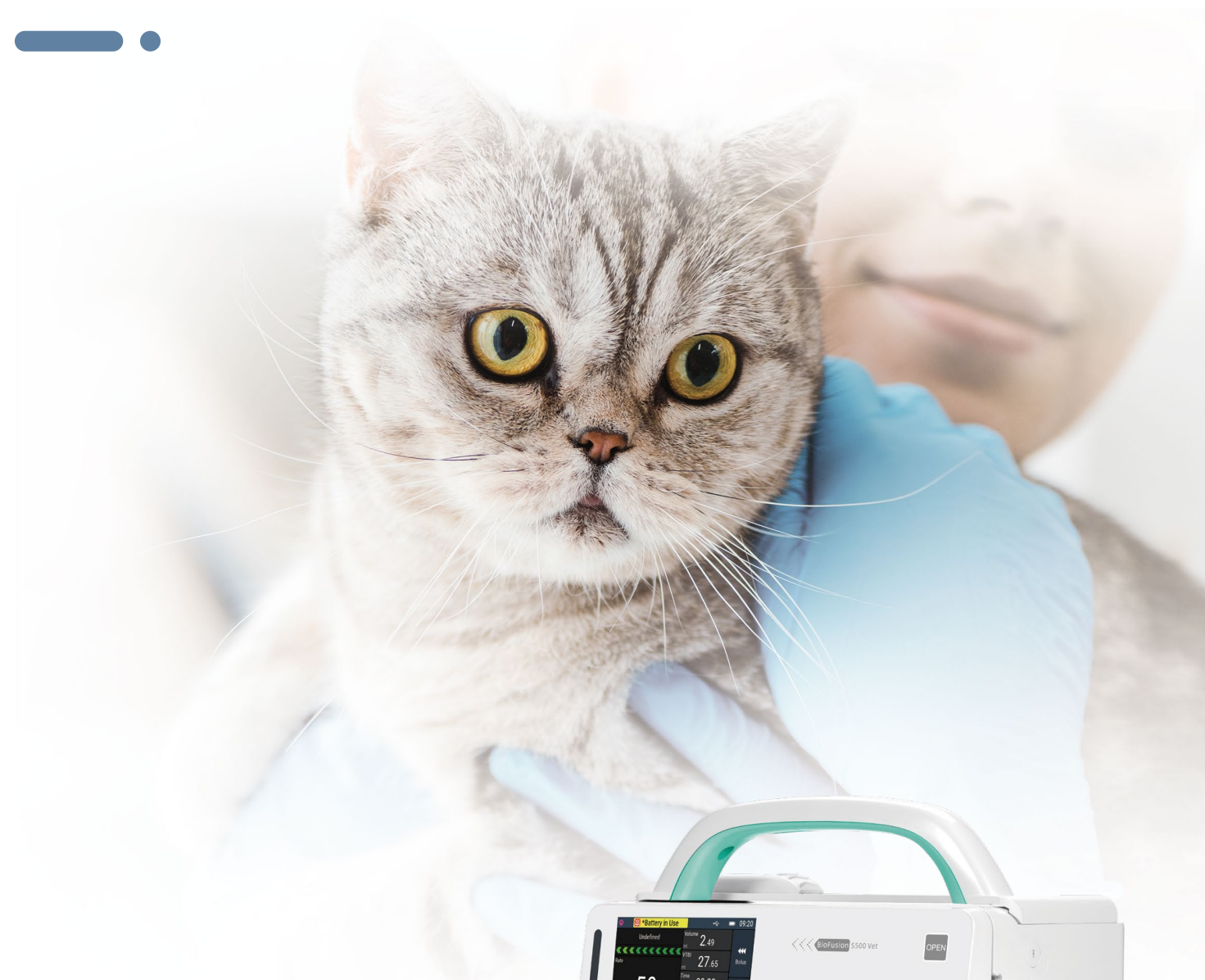


VOLUMETRIC PUMP S500 VET



Reliable



Interconnective



Versatile



Guangdong Biolight Meditech Co., Ltd.

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*Biolight reserves the right to modify the contents of this brochure at any time without prior notice.

Easy Operation

Responsive Capacitive touchscreen

- 3.5-inch colored capacitive touchscreen
- Can be operated with medical gloves.
- Intuitive interface design makes all operations in 2 steps.

Automatic Loading

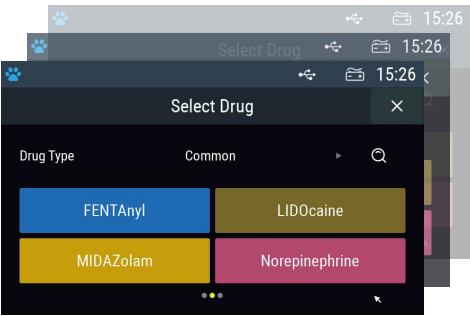
- The electrical pump door makes operation more convenient.



Smart Medication

Customizable Drug Library

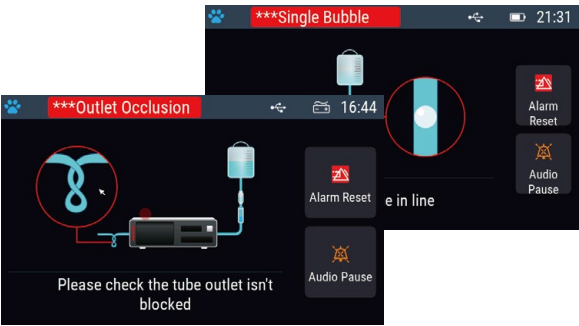
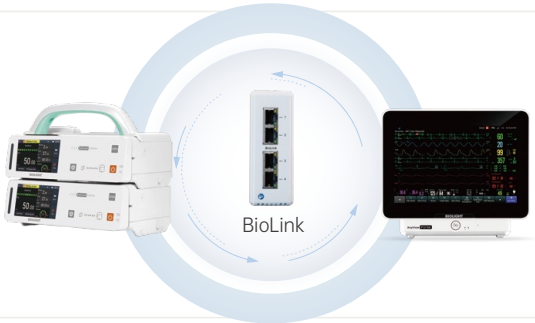
- Intuitive drug label
- Automatically import drug configuration
- Support restriction setting of hard and soft limits



Interconnection

Biolink Communication Module

- Data transmission with the patient monitor to display pump information
- Realtime monitor the animals' fluid input volume and trends



Safety

Anti bolus

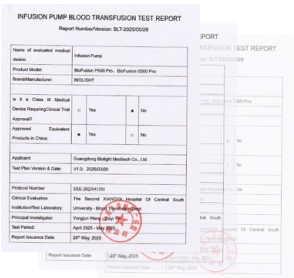
Reverse the fluid slightly to release the pressure after occlusion is detected, which prevents a sudden, uncontrolled delivery of fluid or medication to the patient.

Air-bubble detection

Ensures the delivery of fluids or medications is free from air bubbles, preventing air embolism and improving patient safety

Blood transfusion Certified

BioFusion S500 vet is certified for blood transfusion, supporting safe and controlled infusion of whole blood and blood components.



Specifications

Host	Weight: ≤1.60kg	Dimension: 214mm x 153mm x 75mm
Display	Screen Type: Capacitive touchscreen	
	Screen Size: 3.5 inches	Resolution: 800 x 400 pixels
Infusion accuracy	Infusion rate accuracy: ≤ ±5%	
	Bolus volume accuracy: ≤ ±5% or ±0.02 ml, whichever is greater	
	KVO rate accuracy: ≤ ±5%	Drop rate accuracy: ≤ ±10%
Infusion rate	0.10ml/h ~ 2350ml/h, Resolution: 0.01 ml/h (0.10~99.99) ml/h	
	0.1 ml/h (100.0~999.9) ml/h	1 ml/h (1000 to 2350) ml/h
Bolus volume range	(0.10~99.99) ml	
Occlusion pressure	15 levels selectable: (50, 150, 225, 300, 375, 450, 525, 600, 675, 750, 825, 900, 975, 1050, 1125) mmHg;	
Max. infusion pressure	No greater than 1350mmHg	
Single airbubble	7 levels available: (25, 50, 100, 200, 400, 600, 800) ul	
KVO rate	(0.10 ~ 30.00) ml/h	Minimum resolution: 0.01ml/h
VTBI range	(0.10~9999.99) ml, minimum resolution: 0.01ml	
Range of drop rate	(1~400) dot/min	
Dose rate	Set range: 0.001~99999	
Drug Amount	Set range: 0.001~99999	
Volume	Set range: (0.10~9999.99) m	
Concentration	Set range: 0.001~9999.99	
Anti-bolus	Automatically	
Data storage	5000 history records	
Power supply	AC: 100-240V, 50/60Hz, 0.43-0.22A ; DC:15VDC, 1.7A	
Battery life	At least 8 hours (@25.00ml/h)	
Charging time	≤4h when the pump is off; ≤8h when the pump is on	
Working mode	Rate mode, Time mode, Micro mode, Weight mode, Sequence mode, Loading dose mode	
	Intermittent mode, Ramp mode, Dose time mode, Drip mode	
Degree of protection	IP33	
Drop sensor	Support	
Wireless	Automatically	
Nurse call	WiFi (optional)	