MDXUSA® Medical Equipment Solutions

Infusion Pump

CORE fusion

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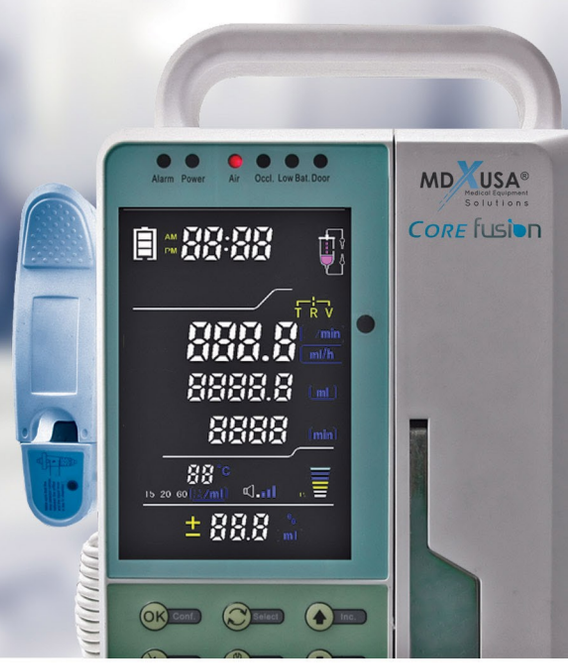
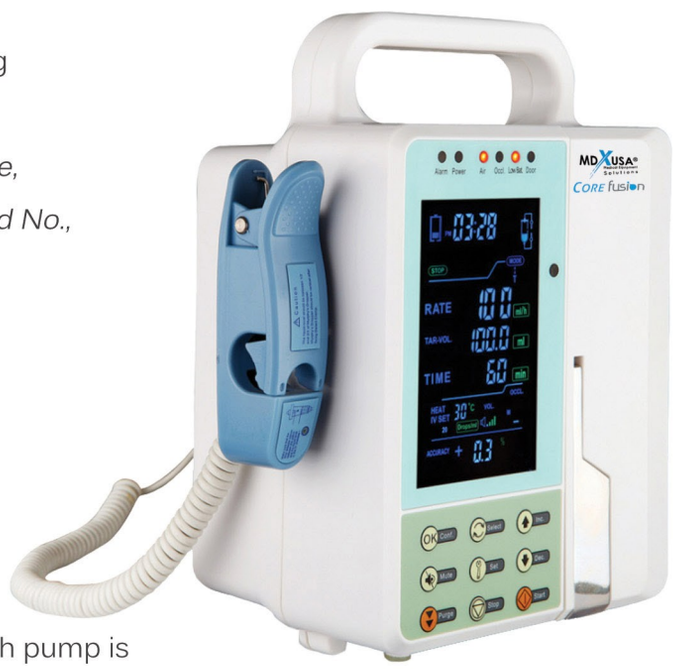


Features:



- Large 4.3” Color LCD display, with backlight, suitable for working in various ambient light conditions;
  Displays: *time, battery, infusing status, mode, rate, target volume, accumulated volume, sound volume, pressure, department, bed No., I/V set, temperature of medication.*
- *Disposable IV set of any brand is suitable for this pump*
- Three working modes: Rate/Volume/Time mode
- Purge, KVO function
- Heating function is optional, suitable for infusing in winter or if there is any other reason for the medication to be heated.
- Remote Control makes operating more convenient.
- Central monitoring system is optional, the infusing status of each pump is displayed in real time at the central station through wireless transmission.
- Simple and convenient in operating, intuitive presence of working status.
- Audible and Visible alarms

Heating function (Optional), suitable for infusing in winter

Remote Controller(Optional) makes operating more convenient.

Drip Detector

Infusion monitoring system (Optional), the status of each pump is displayed in real time at the central station through wireless transmission.

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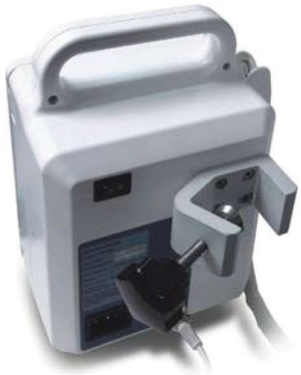
Technical Specification:

Pump Type:	Drip type infusion pump
Pumping Method:	Peristaltic fingers
Adjustable Drop Rate Range:	1~400 drops/min (step: 1 drop/min)
Adjustable Volume Rate Range:	1~1200 ml/h (when 1~99.9 ml/h, step: 0.1 ml/h; greater than 99.9 ml/h, step: 1 ml/h)
Flow Precision:	Within ± 3% (using the IV set appointed by the manufacturer or calibrated high quality IV set) Mechanical precision: Within ±2%.
Purge Rate:	800 ml/h
KVO Rate:	1 ml/h (1~300 ml/h); 3 ml/h (greater than 300 ml/h);
Infusion Volume Range:	1 ml~9999.9 ml (step: 0.1 ml)
Maximum Accumulated Volume:	9999.9 ml (step: 0.1 ml)
Time Range:	1 min~9999 min (step: 1 min)
Occlusion Alarm Threshold:	High: 800 mmHg ± 200 mmHg (106.7kPa ± 26.7kPa) Medium: 500 mmHg ± 100 mmHg (66.7kPa ± 13.3kPa) Low: 300 mmHg ± 100 mmHg (40.7kPa ± 13.3kPa)
Alarm:	Infusion Complete, Empty, Faulty Signal, Misoperation, Occlusion, Door Open, Air Bubble, Low Battery, Setting Error, AC power off, Idle.
Air Bubble Detector:	Method: ultrasonic wave, sensitivity: ≥25μL。
Fuse:	F1AL/250V (“F” indicate fast, “L” indicate low breaking capacity), 2 pcs (installed inside pump).
Power Supply:	AC 85 265V, 50/60Hz;
Internal Battery:	11.1V rechargeable li-ion battery. Capacity: ≥2000mAh; the pump can work more than 4 hours at the flow rate of 25 ml/h after charging for 8 hours (Medium rate specified by GB 9706.27-2005).
Power:	≤40VA
Size:	188 mm(L) × 198 mm(W) × 228 mm(H)
Weight:	2.2KG
Environment Requirements:	**Transport** Ambient Temperature: -30°C ~+55°C Relative Humidity: 20%~95% (non-condensing) Atmosphere Pressure: 70kPa~106kPa **Storage** Ambient Temperature: -30°C ~+55°C Relative Humidity: 20%~95% Atmosphere Pressure: 70kPa~106kPa **Operation** Ambient Temperature: +5°C ~+40°C Relative Humidity: 20%~90% Atmosphere Pressure: 86kPa~106kPa



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