Tech Specs

Infusion Pump /Syringe Pump

Model	MI 20 /22 /23 Infusion Pump	MS 31 /32 /51 Syringe Pump
Syringe Size	X	2 ml,5 ml,10 ml,20 ml,30 ml,50/60 ml
Volume Infused	0.01~ 9999.99 ml, Step by 0.01 ml	
Flow Rate	0.01~ 1800 ml/h, Step by 0.01 ml/h	2ml:0.01-100ml/h;5ml:0.01-150ml/h; 10ml:0.01-400ml/h;20ml:0.01-600ml/h; 30ml:0.01-1000ml/h;50/60ml:0.01-2100ml/h;
Accuracy	±5%	±2%
Purge / Bolus Rate	1 ~ 1800 ml/h adjustable	1 ~ 2100 ml/h adjustable
Bolus Rate	X	2 ml Syringe: 100 ml/h;5 ml Syringe: 150 ml/h; 10 ml Syringe: 400 ml/h;20 ml Syringe: 600 ml/h; 30 ml Syringe: 1000 ml/h;50/60 ml Syringe: 2100 ml/h
KVO Rate	Flow rate ≥ 10ml/h: KVO rate 3 ml/h Flow rate ≥1ml/h and <10ml/h: KVO rate 1 ml/h Flow rate < 1ml/h: KVO rate = Flow rate	
Alarm	Low battery,Battery exhausted, infusion near to end alarm, Air in line,Occlusion,Door Open,Pause overtime, VTBI completion,Malfunction,A.C. and D.C. Off	Battery exhausted alarm,Low battery alarm,Near end alarm, VTBI finished alarm,Incorrect syringe handle installation alarm, Syringe size error,Plunger error,Pause overtime alarm, Occlusion alarm,Malfunction alarm,A.C. and D.C. Off
Occlusion Pressure	H: 120 kpa ; M: 80 kpa ; L: 40 kpa	Maximum 130 kPa, Minimum 26 Kpa. 9 adjustable setting
Power	Power Adaptor: A.C. 100 -240V 50/60Hz, Input D.C. 15V/2A Output, Input Voltage to Device	
Power and Battery	55VA Max; Battery Voltage 10.8V; Support 6 Hours normal operation	
Classification	Class II, Type CF, IPX2	
Dimension	MI 20: 215 × 129 × 80 mm (W × D × H);1.5kg MI 22:132 × 95 × 165 mm (W × D × H);1.3kg MI 23:132 × 95 × 165 mm (W × D × H);1.3kg	MS 31/51:270×140×80mm (W × D × H);1.5kg MS 32 :270×140×143mm(W × D × H);3kg

Infusion WorkStation

Model	MX Infusion WorkStation
Compatible Pumps	MI 20 Infusion Pump, MS 31 Syringe Pump
Pump Amount	3, 4, 6, 7, 8, 9 pcs
Dimension and Weight	3 pcs: 243 × 125 × 345 mm (W × D × H),1.6 kg 4 pcs: 243 × 125 × 427 mm (W × D × H),1.86 kg 6 pcs: 243 × 125 × 590 mm (W × D × H),2.45 kg 7 pcs: 243 × 125 × 672 mm (W × D × H),2.71 kg 8 pcs: 243 × 125 × 754 mm (W × D × H),2.97 kg 9 pcs: 243 × 125 × 835 mm (W × D × H),3.2 kg
Infusion Cart	530 × 470 × 1600 mm (W × D × H), 8.2 kg
Control System Hardware	Computer with 7-inch screen (optional)
Power and Watt	20VA Max; A.C. 100 -240V 50/60Hz, Input D.C. 15V/2A
Classification	Class I, IPX1

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About Us

Zhejiang MDKingdom Technology Co., Ltd. (MDK) provides the most comprehensive infusion therapy products. MDK is dedicated to medical pumps and infusion therapy solution.

MDK's product line includes infusion pump, syringe pump, enteral feeding pump, patient-controlled analgesia (PCA) pump, blood pump and related disposables.

MDK can provide customers with the one-stop solution in cost-effective and quality medical pumps.

MDK is focused on research and development. Over 50% of the MDK employees are in R&D department. MDK's manufacturing facility is over 40,000 squre meters with a production capacity of over 50 thousand units per year.

MDK's products have global market presence and have been serving millions of customers.

MDK Med

Infusion Pump

MI 20 Infusion Pump

Automatic Powered Free Flow Clamp
Prevents free flow automatically, with high security and easy operation

Upstream Occlusion Alarm
MI-20 can detect empty infusion set or closed free flow clamp

Proprietary Infusion Set
Flow Accuracy ±2%

Relayed Infusion
Drug Library

Touch Screen

Light 1.5kg

Thin 8.0cm

Stackable
Stackable design. Space efficient.

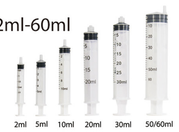
MI 22 Infusion Pump

MI 23 Infusion Pump

Syringe Pump

MS 31 Syringe Pump

2ml-60ml



- Support all sizes of syringes from 2ml to 60 ml
- Flow Accuracy ±2%
- 9 level occlusion alarm thresholds

MS 58 Syringe Pump

MS 51 Syringe Pump

MS 51EC Syringe Pump

Infusion WorkStation

MX Infusion WorkStation

- Stackable for multi-pump system configuration
- 7 inch large size display for real-time data
- Infusion therapy system with more intelligence and higher safety

0.25m²
Stackable design, save valuable space. Take as little as 0.25

Smart Infusion
Relayed infusion function to maintain continuous infusion and to avoid medicine dose fluctuation

Data Analysis
Demonstrate infusion therapy data with figures and tables to facilitate health care givers

Portable
With QuikHandle, the pump works seamlessly between WorkStation and portable configuration.

ICU Suspension Arm
Compatible with ICU suspension arm. Save floor space.

Centralized Monitoring
With built-in wireless router, the MX infusion WorkStation, MI-20 and MS-31 communicate via a high speed local network.

Power Adapter
One power supply to save power outlet for stackable configuration.

Enteral Feeding Pump

ME 10 Enteral Feeding Pump with Flush

ME 11 Enteral Feeding Pump

- Touch Screen
- Keyboard
- QuikMount
- Information
- Language

Feeding and Flush Sets
External feeding with auto flush
Programmable hydration and feeding
Feature with anti-occlusion

Feeding
Easy Operation
Cost Effective and High Performance

Feeding Pump

Type	ME 10Enteral Feeding Pump with Flush	ME 11 Enteral Feeding Pump
Flow Rate	1-800 ml/h (resolution 1 ml/h)	
Accuracy	±10%	
Flush Rate	1000 ml/h	
Mode	Feeding-only, Continuous Feeding, Intermittent Feeding	Continuous Feeding, Intermittent Feeding
No. of Boluses	1-99	------
Flush Volume	25 ml	------
Flush Rate	1000 ml/h	-------
Watering Volume	0~2000 ml (adjustable)	------
Watering Interval	0-24 h (adjustable)	------
Alarm	occlusion alarm, VTBI completion alarm, air in line alarm, out of battery alarm, battery/mains power double disconnect alarm, malfunction alarm,Pause over time alarm, internal battery low voltage alarm, close to complete alarm	
Power Adapter	Power Adaptor: A.C. 100 -240V 50/60Hz, Input D.C. 15V/2A Output	
Power and Battery	55VA Max; Battery Voltage 10.8V; Support 6 Hours normal operation	
Classification	Type BF, IPX2	
Weight	1.05 kg	
Dimension	135 × 105 × 165 mm (W × D × H)	