KellyMed

PRODUCT
CATALOG

SINCE 1994

Beijing KellyMed Co., Ltd.

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KLJY-TF-MF-XD-002
Revision 3.1

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About KellyMed

Founded in 1994, Beijing KellyMed Co., Ltd. is a high technology corporation engaged in R&D, manufacturing and marketing of medical instrument, supported by Institute of Mechanics, Chinese Academy of Sciences.

Manufacturing Facility, R&D Center, QC Division, Domestic Sales Division, International Sales Division and Customer Support Center were established under KellyMed.
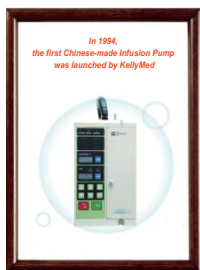
Engineers are majored in Physics, infrared Radiation, Electronics, Ultrasound, Automatization, Computer, Sensor and Mechanics.

60 patents were granted by State Intellectual Property Office of China. KellyMed is ISO9001/ISO13485 Certified. Most of the products are CE marked.

The company today produces world-class equipments, which are sold not only in China, but also exported to more than 70 countries across Europe, South America, Asia and Africa.

KellyMed, as the No. 1 in this field for last 25 years:
1. In 1994, KellyMed developed the first Chinese-made Infusion Pump.
2. In 1994, as the first manufacturer of Infusion Pump in China, KellyMed was listed in the "National Promotion Programme of Technology Achievements".
3. In 1998, KellyMed was listed in the "Hi-Tech Enterprise".
4. In 2001, KellyMed was listed in the "Promotion Programme of MOH".
5. In 2012, KellyMed was authorized as the unique OEM supplier of Terumo for Infusion Pump and Syringe Pump in China.
6. At moment in China KellyMed is the unique company that can guarantee enteral feeding pump and enteral feeding set, nasogastric tube with our own R&D team and manufacturing.

Drug library
Fluid warmer
Vehicle power

Model	KL-8071A
Pumping Mechanism	Curvilinear peristaltic
IV Set	Compatible with IV sets of any standard
Flow Rate	0.1-1200 ml/h (in 0.1 ml/h increments)
Purge, Bolus	100-1200 ml/h (in 1 ml/h increments)
	Purge when pump stops, bolus when pump starts
Accuracy	±3%
VTBI	1-20000 ml
Infusion Mode	ml/h, drop/min, time-based
KVO Rate	0.1-5 ml/h (in 0.1 ml/h increments)
Alarms	Occlusion, air-in-line, door open, end program, low battery, end battery,
	AC power off, motor malfunction, system malfunction, standby
Additional Features	Real-time infused volume, automatic power switching, mute key, purge,
	bolus, system memory, key locker, drug library, fluid warmer, change
	flow rate without stopping the pump.
Drug Library	Available
*Fluid Warmer	Optional (20-35℃, in 1℃ increments)
Occlusion Sensitivity	High, medium, low
Air-in-line Detection	Ultrasonic detector
Wireless Management	Optional
History log	30 days
Power Supply, AC	100-240 V 50/60 Hz
Vehicle Power (Ambulance)	12 V
Battery	12 V, rechargeable, 8 hours at 25 ml/h
Working Temperature	10-30℃
Relative Humidity	30-75%
Atmospheric Pressure	860-1060 hPa
Size	150(L)*125(W)*60(H) mm
Weight	1.7 kg
Safety Classification	Class II, type CF

In 1994,
the first Chinese-made Infusion Pump
was launched by KellyMed

Infusion Pump ZNB-XD

Simplicity
Easy to use
Built-in thermostat

Model	ZNB-XD
Pumping Mechanism	Curvilinear peristaltic
IV Set	Compatible with IV sets of any standard
Flow Rate	1-1100 ml/h (in 1 ml/h increments)
Purge, Bolus	Purge when pump stops, bolus when pump starts, rate at 700 ml/h
Accuracy	±3%
*Inbuilt Thermostat	30-45℃, adjustable
VTBI	1-9999 ml
Infusion Mode	ml/h, drop/min
KVO Rate	4 ml/h
Alarms	Occlusion, air-in-line, door open, end program, low battery, end battery, AC power off, motor malfunction, system malfunction, standby
Additional Features	Real-time infused volume, automatic power switching, Mute key, purge, bolus, system memory
Occlusion Sensitivity	5 levels
Air-in-line Detection	Ultrasonic detector
Wireless Management	Optional
Power Supply, AC	110/230 V (optional), 50-60 Hz, 20 VA
Battery	9.6±1.6 V, rechargeable
Battery Life	5 hours at 30 ml/h
Working Temperature	10-40℃
Relative Humidity	30-75%
Atmospheric Pressure	700-1060 hpa
Size	174*126*215 mm
Weight	2.5 kg
Safety Classification	Class Ⅰ, type CF

Infusion Pump KL-8052N

Neonatal & adult
Built-in thermostat

Model	KL-8052N
Pumping Mechanism	Curvilinear peristaltic
IV Set	Compatible with IV sets of any standard
Flow Rate	0.1-1500 ml/h (in 0.1 ml/h increments)
Purge, Bolus	100-1500 ml/h (in 1 ml/h increments)
	Purge when pump stops, bolus when pump starts
Bolus volume	1-20 ml (in 1 ml increments)
Accuracy	±3%
*Inbuilt Thermostat	30-45℃, adjustable
VTBI	1-9999 ml
Infusion Mode	ml/h, drop/min, time-based
KVO Rate	0.1-5 ml/h (in 0.1 ml/h increments)
Alarms	Occlusion, air-in-line, door open, end program, low battery, end battery, AC power off, motor malfunction, system malfunction, standby
Additional Features	Real-time infused volume / bolus rate / bolus volume / KVO rate, automatic power switching, mute key, purge, bolus, system memory, key locker, change flow rate without stopping the pump
Occlusion Sensitivity	High, medium, low
Air-in-line Detection	Ultrasonic detector
Wireless management	Optional
Power Supply, AC	110/230 V (optional), 50-60 Hz, 20 VA
Battery	9.6±1.6 V, rechargeable
Battery Life	5 hours at 30 ml/h
Working Temperature	10-40℃
Relative Humidity	30-75%
Atmospheric Pressure	700-1060 hpa
Size	174*126*215 mm
Weight	2.5 kg
Safety Classification	Class Ⅰ, type CF

Infusion Pump ZNB-XK

Numeric keyboard
Drop sensor
Nurse call

Model	ZNB-XK
Pumping Mechanism	Curvilinear peristaltic
IV Set	Compatible with IV sets of any standard
Flow Rate	1-1300 ml/h (in 0.1 ml/h increments)
Purge, Bolus	Purge when pump stops, bolus when pump starts, rate at 1100 ml/h
Accuracy	±3%
*Inbuilt Thermostat	30-45℃, adjustable
VTBI	1-9999 ml
Infusion Mode	ml/h, drop/min, time-based
KVO Rate	1-5 ml/h (in 0.1 ml/h increments)
Alarms	Occlusion, air-in-line, door open, end program, low battery, end battery, AC power off, motor malfunction, system malfunction, standby
Additional Features	Real-time infused volume, automatic power switching, mute key, purge, bolus, system memory, key locker, nurse call
Occlusion Sensitivity	5 levels
Air-in-line Detection	Ultrasonic detector
Drop Sensor	Optional
Power Supply, AC	110/230 V (optional), 50-60 Hz, 20 VA
Battery	9.6±1.6 V, rechargeable
Battery Life	6 hours at 30 ml/h
Working Temperature	10-40℃
Relative Humidity	30-75%
Atmospheric Pressure	700-1060 hpa
Size	233*146*269 mm
Weight	3 kg
Safety Classification	Class Ⅰ, type CF

Infusion Pump ZNB-XAII

Drug library
Body weight mode
Built-in thermostat

Model	ZNB-XAII
Pumping Mechanism	Curvilinear peristaltic
IV Set	Compatible with IV sets of any standard
Flow Rate	0.1-1500 ml/h (in 0.1 ml/h increments)
Purge, Bolus	100-1500 ml/h (in 0.1 m/h increments) Purge when pump stops, bolus when pump starts,
Accuracy	±3%
*Inbuilt Thermostat	30-45℃, adjustable
VTBI	1-20000 ml (in 0.1 ml increments)
Infusion Mode	ml/h, drop/min, time-based, body weight, nutrition
KVO Rate	0.1-5 ml/h (in 0.1 ml/h increments)
Alarms	Occlusion, air-in-line, door open, end program, low battery, end battery, AC power off, motor malfunction, system malfunction, standby
Additional Features	Real-time infused volume, automatic power switching, mute key, purge, bolus, system memory, history log, key locker, drug library, rotary knob, change flow rate without stopping the pump
Drug Library	Available
Occlusion Sensitivity	High, medium, low
History Log	50000 events
Air-in-line Detection	Ultrasonic detector
Wireless management	Optional
Drop Sensor	Optional
Vehicle Power (Ambulance)	12±1.2 V
Power Supply, AC	110/230 V (optional), 50-60 Hz, 20 VA
Battery	9.6±1.6 V, rechargeable
Battery Life	5 hours at 25 ml/h
Working Temperature	10-30℃
Relative Humidity	30-75%
Atmospheric Pressure	860-1060 hpa
Size	130*145*228 mm
Weight	2.5 kg
Safety Classification	Class Ⅰ, type CF

Syringe Pump KL-602

Automatic syringe size
detection
Automatic anti-bolus
Automatic calibration

Model	KL-602
Syringe Size	10, 20, 30, 50/60 ml
Applicable Syringe	Compatible with syringe of any standard
VTBI	0.1-9999 ml
	＜1000 ml in 0.1 ml increments
	≥1000 ml in 1 ml increments
Flow Rate	Syringe 10 ml: 0.1-400 ml/h
	Syringe 20 ml: 0.1-600 ml/h
	Syringe 30 ml: 0.1-900 ml/h
	Syringe 50/60 ml: 0.1-1300 ml/h
	＜100 ml/h in 0.1 ml/h increments
	≥100 ml/h in 1 ml/h increments
Bolus Rate	Syringe 10 ml: 400 ml/h
	Syringe 20 ml: 600 ml/h
	Syringe 30 ml: 900 ml/h
	Syringe 50/60 ml: 1300 ml/h
Anti-Bolus	Automatic
Accuracy	±2% (mechanical accuracy ≤1%)
Infusion Mode	Flow rate: ml/min, ml/h
	Time-based
	Body weight: mg/kg/min, mg/kg/h, ug/kg/min, ug/kg/h etc.
KVO Rate	0.1-1 ml/h (in 0.1 ml/h increments)
Alarms	Occlusion, near empty, end program, low battery, end battery,
	AC power off, motor malfunction, system malfunction, standby,
	pressure sensor error, syringe installation error, syringe drop off
Additional Features	Real-time infused volume, automatic power switching,
	automatic syringe identification, mute key, purge, bolus, anti-bolus,
	system memory, key locker
Drug Library	Available
Occlusion Sensitivity	High, medium, low
Docking Station	Stackable up to 4-in-1 or 6-in-1 Docking Station
Wireless Management	Optional
Power Supply, AC	110/230 V (optional), 50/60 Hz, 20 VA
Battery	9.6±1.6 V, rechargeable
Battery Life	7 hours at 5 ml/h
Working Temperature	5-40℃
Relative Humidity	20-90%
Atmospheric Pressure	860-1060 hpa
Size	314*167*140 mm
Weight	2.5 kg
Safety Classification	Class Ⅱ, type CF

Syringe Pump KL-605T

Applicable syringe: 5,10,
20,30,50/60 ml
0.01 ml/h increments for
flow rate, bolus rate, KVO rate

Model	KL-605T
Syringe Size	5, 10, 20, 30, 50/60 ml
Applicable Syringe	Compatible with syringe of any standard
VTBI	1-1000 ml (in 0.1, 1, 10 ml increments)
Flow Rate	Syringe 5 ml: 0.1-100 ml/h (in 0.01, 0.1, 1, 10 ml/h increments)
	Syringe 10 ml: 0.1-300 ml/h
	Syringe 20 ml: 0.1-600 ml/h
	Syringe 30 ml: 0.1-800 ml/h
	Syringe 50/60 ml: 0.1-1200 ml/h
Bolus Rate	5 ml: 0.1-100 ml/h (in 0.01, 0.1, 1, 10 ml/h increments)
	10 ml: 0.1-300 ml/h
	20 ml: 0.1-600 ml/h
	30 ml: 0.1-800 ml/h
	50/60 ml: 0.1-1200 ml/h
Anti-Bolus	Automatic
Accuracy	±2% (mechanical accuracy≤1%)
Infusion Mode	Flow rate: ml/min, ml/h
	Time-based
	Body weight: mg/kg/min, mg/kg/h, ug/kg/min, ug/kg/h etc.
KVO Rate	0.1-1 ml/h (in 0.01 ml/h increments)
Alarms	Occlusion, near empty, end program, low battery, end battery,
	AC power off, motor malfunction, system malfunction, standby,
	pressure sensor error, syringe installation error, syringe drop off
Additional Features	Real-time infused volume, automatic power switching,
	automatic syringe identification, mute key, purge, bolus, anti-bolus,
	system memory, history log
Drug Library	Available
Occlusion Sensitivity	High, medium, low
Docking Station	Stackable up to 4-in-1 or 6-in-1 Docking Station
History Log	50000 events
Wireless Management	50000 events
Power Supply, AC	110-230 V, 50/60 Hz, 20 VA
Battery	14.8 V, rechargeable
Battery Life	8 hours at 5 ml/h
Working Temperature	5-40℃
Relative Humidity	20-90%
Atmospheric Pressure	700-1060 hpa
Size	245*120*115 mm
Weight	2.5 kg
Safety Classification	Class Ⅱ, type BF

TCI Pump KL-605T

Work mode
1.Constant infusion
2.Intermittent infusion
3.TCI

Model	KL-605T
Syringe Size	5, 10, 20, 30, 50/60 ml
Applicable Syringe	Compatible with syringe of any standard
VTBI	1-1000 ml (in 0.1, 1, 10 ml increments)
Flow Rate	Syringe 5 ml: 0.1-100 ml/h (in 0.01, 0.1, 1, 10 ml/h increments)
	Syringe 10 ml: 0.1-300 ml/h
	Syringe 20 ml: 0.1-600 ml/h
	Syringe 30 ml: 0.1-800 ml/h
	Syringe 50/60 ml: 0.1-1200 ml/h
Bolus Rate	5 ml: 0.1-100 ml/h (in 0.01, 0.1, 1, 10 ml/h increments)
	10 ml: 0.1-300 ml/h
	20 ml: 0.1-600 ml/h
	30 ml: 0.1-800 ml/h
	50/60 ml: 0.1-1200 ml/h
Anti-Bolus	Automatic
Accuracy	±2% (mechanical accuracy≤1%)
Infusion Mode	1. Easy mode
	2. Flow rate
	3. Time-based
	4. Body weight
	5. Plasma TCI
	6. Effect TCI
KVO Rate	0.1-1 ml/h (in 0.01 ml/h increments)
Alarms	Occlusion, near empty, end program, low battery, end battery,
	AC power off, motor malfunction, system malfunction, standby,
	pressure sensor error, syringe installation error, syringe drop off
Additional Features	Real-time infused volume, automatic power switching,
	automatic syringe identification, mute key, purge, bolus, anti-bolus,
	system memory, history log
Drug Library	Available
Occlusion Sensitivity	High, medium, low
History Log	50000 events
Power Supply, AC	110-230 V, 50/60 Hz, 20 VA
Battery	14.8 V, rechargeable
Battery Life	8 hours at 5 ml/h
Working Temperature	5-40℃
Relative Humidity	20-90%
Atmospheric Pressure	700-1060 hpa
Size	245*120*115 mm
Weight	2.5 kg
Safety Classification	Class Ⅱ, type BF

Syringe Pump KL-702

Automatic syringe size
detection
Automatic anti-bolus
Automatic calibration

Model	KL-702
Syringe Size	10, 20, 30, 50/60 ml
Applicable Syringe	Compatible with syringe of any standard
VTBI	0.1-10000 ml
	＜100 ml in 0.1 ml increments
	≥100 ml in 1 ml increments
Flow Rate	Syringe 10 ml: 0.1-420 ml/h
	Syringe 20 ml: 0.1-650 ml/h
	Syringe 30 ml: 0.1-1000 ml/h
	Syringe 50/60 ml: 0.1-1600 ml/h
	＜100 ml/h in 0.1 ml/h increments
	≥100 ml/h in 1 ml/h increments
Bolus Rate	Syringe 10 ml: 200-420 ml/h
	Syringe 20 ml: 300-650 ml/h
	Syringe 30 ml: 500-1000 ml/h
	Syringe 50/60 ml: 800-1600 ml/h
Anti-Bolus	Automatic
Accuracy	±2% (mechanical accuracy ≤1%)
Infusion Mode	Flow rate: ml/min, ml/h
	Time-based
	Body weight: mg/kg/min, mg/kg/h, ug/kg/min, ug/kg/h etc.
KVO Rate	0.1-1 ml/h (in 0.1 ml/h increments)
Alarms	Occlusion, near empty, end program, low battery, end battery,
	AC power off, motor malfunction, system malfunction, standby,
	pressure sensor error, syringe installation error, syringe drop off
Additional Features	Real-time infused volume, automatic power switching, automatic
	syringe identification, mute key, purge, bolus, anti-bolus, system
	memory, history log, separate channel alarm, power saving mode
Drug Library	Available
Occlusion Sensitivity	High, medium, low
History Log	50000 events
Wireless Management	Optional
Power Supply, AC	110/230 V (optional), 50/60 Hz, 20 VA
Battery	9.6±1.6 V, rechargeable
Battery Life	Power saving mode at 5 ml/h,
	10 hours for single channel, 7 hours for double channel
Working Temperature	5-40℃
Relative Humidity	20-90%
Atmospheric Pressure	860-1060 hpa
Size	330*125*225 mm
Weight	4.5 kg
Safety Classification	Class Ⅱ, type CF

One-stop solution:
Feeding Pump
Feeding Set
Fluid Warmer

Model	KL-5021A
Pumping Mechanism	Curvilinear peristaltic
Enteral Feeding Set	Standard enteral feeding set with silicon tube
Flow Rate	1-2000 ml/h (in 1, 5, 10 ml/h increments)
Purge, Bolus	Purge when pump stops, bolus when pump starts, adjustable rate at 600-2000 ml/h (in 1, 5, 10 ml/h increments)
Accuracy	±5%
VTBI	1-9999 ml (in 1, 5, 10 ml increments)
Feeding Mode	ml/h
Suck	600-2000 ml/h (in 1, 5, 10 ml/h increments)
Cleaning	600-2000 ml/h (in 1, 5, 10 ml/h increments)
Alarms	Occlusion, air-in-line, door open, end program, low battery, end battery, AC power off, motor malfunction, system malfunction, standby, tube dislocation
Additional Features	Real-time infused volume, automatic power switching, mute key, purge, bolus, system memory, history log, key locker, suck, cleaning
*Fluid Warmer	Optional (30-37℃, in 1℃ increments, over temperature alarm)
Occlusion Sensitivity	High, medium, low
History Log	30 days
Air-in-line Detection	Ultrasonic detector
Wireless management	Optional
Power Supply, AC	110-230 V, 50/60 Hz, 45 VA
Vehicle Power (Ambulance)	12 V
Battery	10.8 V, rechargeable
Battery Life	8 hours at 100 ml/h
Working Temperature	10-30℃
Relative Humidity	30-75%
Atmospheric Pressure	860-1060 hpa
Size	150(L)*120(W)*60(H) mm
Weight	1.5 kg
Safety Classification	Class Ⅱ, type CF
Fluid Ingress Protection	IPX5

Singel channel (feeding)
Double channel (feeding, automatic flush)

Model	KL-5031N, KL-5041N, KL-5051N
Pumping Mechanism	Rotary
Enteral Feeding Set	Standard enteral feeding set with silicon tube
Flow Rate	1-2000 ml/h (in 0.1 ml/h increments)
Purge/Bolus Rate	100-2000 ml/h (in 1 ml/h increments)
Purge/Bolus Volume	1-100 ml (in 1 ml increments)
Suck/Flush Rate	100-2000 ml/h (in 1 ml/h increments)
Suck/Flush Volume	1-1000 ml (in 1 ml increments)
Accuracy	±8%
VTBI	1-20000 ml (in 0.1 ml increments)
Feeding Mode	Continuous, Intermittent, Pulse, Time, Scientific. Flush (KL-5041N, KL-5051N)
KTO	1-10 ml/h (in 0.1 ml/h increments)
Alarms	Occlusion, air-in-line(KL-5041N, 5051N)/empty bottle (KL-5031N), door open, end program, low battery, end battery, AC power off, tube error, rate error, motor error, hardware error, over temperature, standby, sleeping.
Additional Features	Real-time infused volume, automatic power switching, mute key, purge, bolus, system memory, history log, key locker, suck, cleaning
*Fluid Warmer	Optional (30-37℃, over temperature alarm)
Occlusion Sensitivity	High, medium, low
Air-in-line Detection	Ultrasonic detector (KL-5041N, KL-5051N)
History Log	30 days
Air-in-line Detection	Ultrasonic detector
Wireless management	Optional
Power Supply, AC	110-240 V, 50/60 Hz, ≤100 VA
Vehicle Power (Ambulance)	24 V
Battery	12.6 V, rechargeable
Battery Life	5 hours at 25ml/h or 10 hours at 125ml/h(optional)
Working Temperature	5-40℃
Relative Humidity	10-80%
Atmospheric Pressure	860-1060 hpa
Size	126(L)*174(W)*100(H) mm
Weight	1.5 kg
Safety Classification	Class Ⅱ, type BF
Fluid Ingress Protection	IP23

1. Features

1)Our dual-layer co-extrusion tubes use TOTM (DEHP free) as plasticizer. The inner layer doesn't contain colorant. The purple color of the outer layer can prevent misusing with IV sets.

2)Compatible with various feeding pumps and liquid nutrition containers.

3)Its internationally universal ENFit connector can be used for various nasogastric feeding tubes. Its ENFit connector design can prevent feeding tubes from accidently fitting into IV sets.

4)Its ENFit connector is very convenient for feeding medicine and flushing tubes.

5)We have different models and specifications to meet different clinic needs.

2. Types

Our products can be used for nasogastric feeding tubes, nasogastric stomach tubes, enteral nutrition catheter and feeding pumps.

Spike Set

Bag Set

Screw Cap Set

Screw Spike Set

The standard length of silicone tube is 11cm and 21cm.

11 cm is suitable for roller feeding pump, and 21cm is suitable for peristaltic feeding pump.

We can customize any length for the feeding tubes according to customers' requirement.

3. Models and specifications

Specs of Bag Set: 500, 800, 1000, 1200, 1500, 2000ml.

Model				Package
Pump Feeding		Spike Set	JP2-1-101, JP2-1-102, JP2-1-103, JP2-1-104, JP2-1-105, JP2-1-106	100 pcs/carton
		Bag Set	JP2-2-101, JP2-2-102, JP2-2-103, JP2-2-104, JP2-2-105, JP2-2-106	30 pcs/carton
	Screw Set	Screw Cap Set	JP2-3-101, JP2-3-102, JP2-3-103, JP2-3-104, JP2-3-105, JP2-3-106	50 pcs/carton
		Screw Spike Set	JP2-3-107, JP2-3-108, JP2-3-109, JP2-3-110, JP2-3-111, JP2-3-112	100 pcs/carton
Gravity Feeding		Spike Set	JP2-1-001, JP2-1-002	100 pcs/carton
		Bag Set	JP2-2-001, JP2-2-002	30 pcs/carton
	Screw Set	Screw Cap Set	JP2-3-001, JP2-3-002	50 pcs/carton
		Screw Spike Set	JP2-3-003, JP2-3-004	100 pcs/carton

4. Connection for Enteral Feeding Set and Nutrition Container

Model	Picture	Nutrition Container	How to connect
Spike Set	With air inlet	With rubber bottle stopper	Insert the spike to the bottle stopper
Set for Bottle	Three-in-one Connector	Plastic wide-mouth bottle	Special three-in-one design enables to connect with bottle mouth directly by screwing it
		Glass bottle	Special three-in-one design enables to connect with bottle mouth directly
Set for bag	Screw connector	Bag nutrition container	Screw the threaded connector to connect with the bag directly.