

HK-400 Series Syringe Pump



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Products Structure and Features



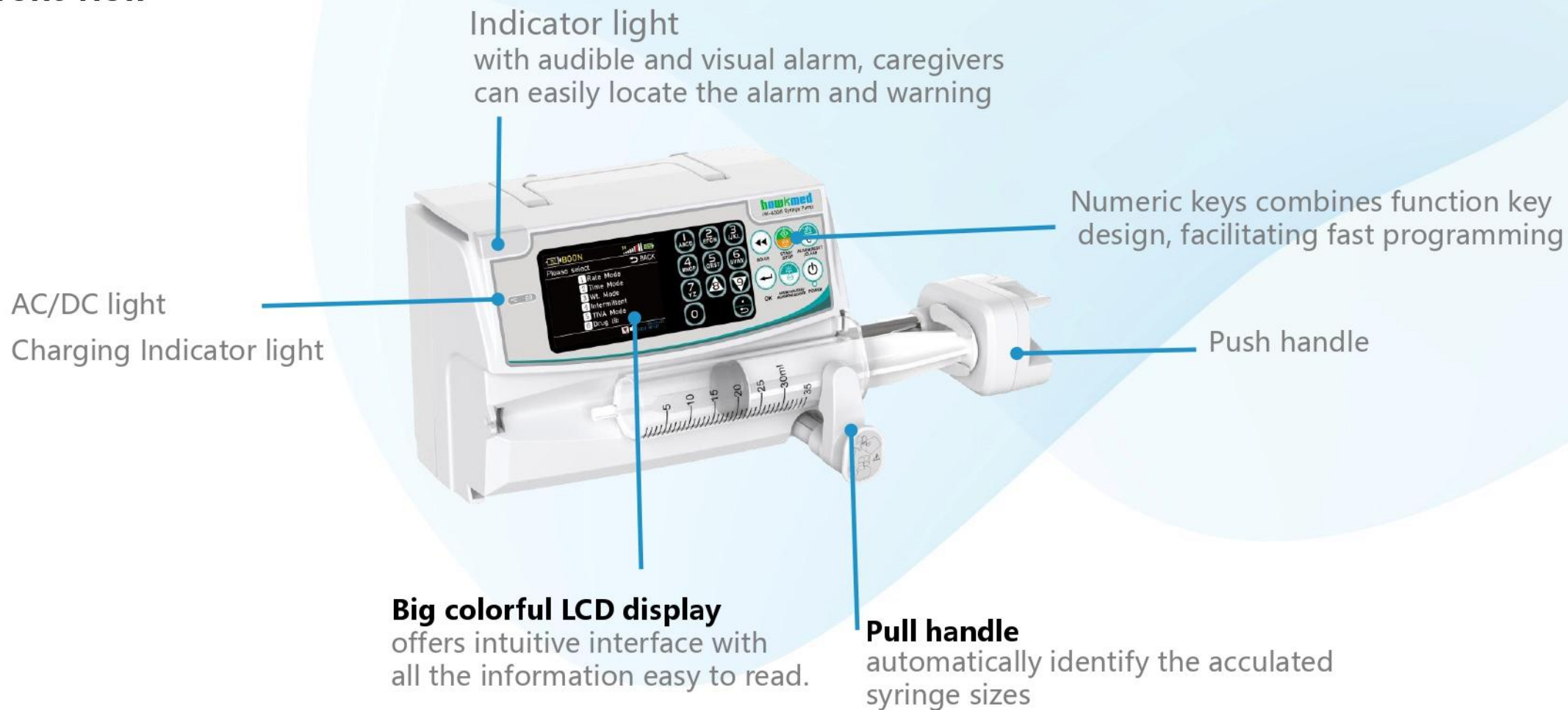
HK-400III Syringe Pump



HK-400 Syringe Pump

Products Structure and Features

Front view



Products Structure and Features

Back view

Rotatable pole clamp

meet the needs of
horizontal or vertical
installation
without any tool

Hidden handle design
helps to save room.

Type C multi-functional interface

program downloading, history record
uploading and communication

Battery compartment

battery life up to **8hrs** @5ml/h

Metal pushrods

more durable



Products Structure and Features

Modular design

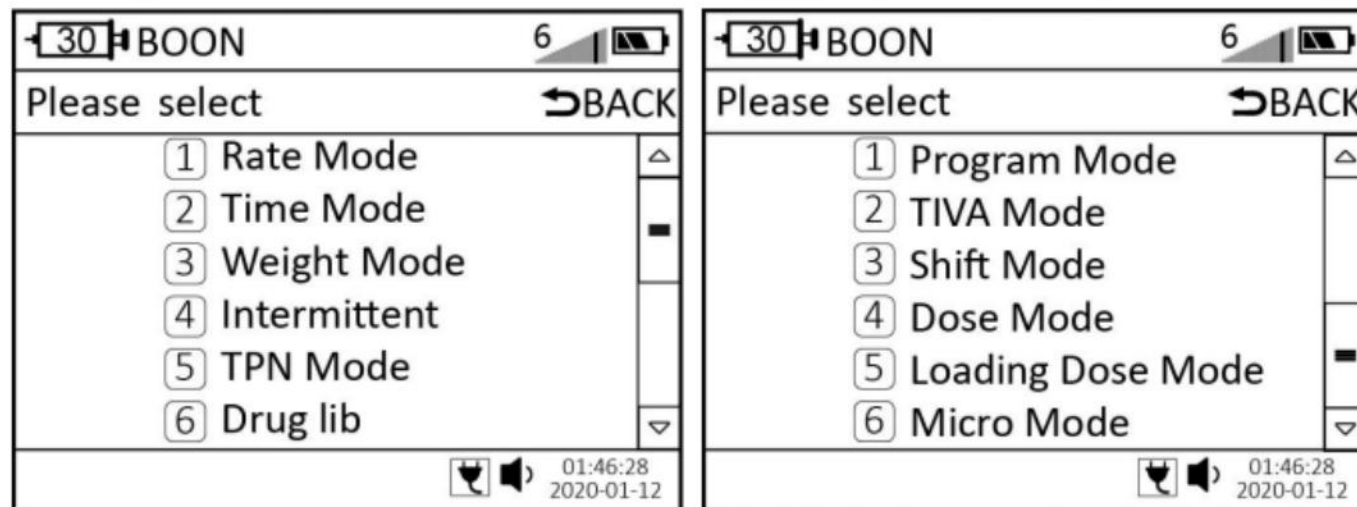


Pumps stack and lock together and be expanded from 2 to 8 pumps without any tools for better space management

Products Structure and Features

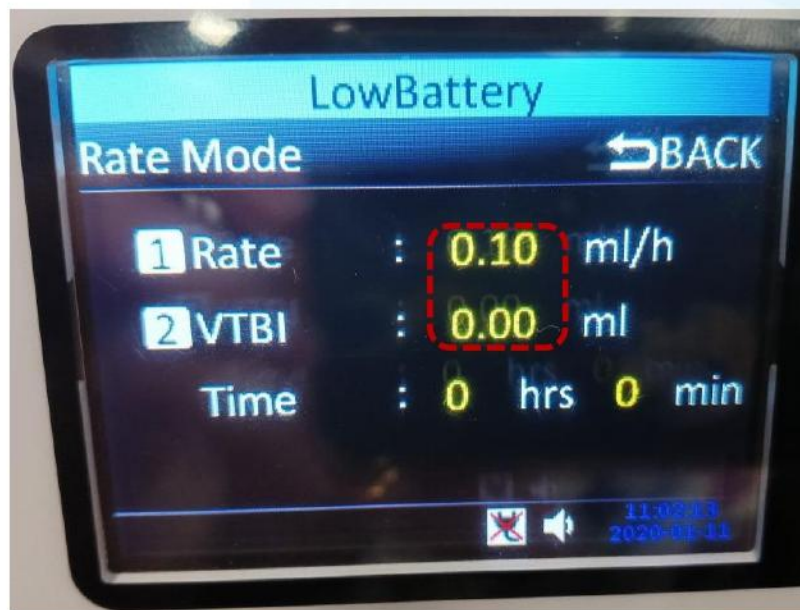
Various infusion modes satisfy different clinical needs

*in both **general and specialized** hospital departments*



Products Structure and Features

Online-titration



500ml/h
50ml

It could change flow rate or VTBI including bolus without stopping infusion.

Products Structure and Features

Applicable syringe size:

2/2.5ml 5ml 10ml 20ml 30ml 50ml /60ml



Products Structure and Features

IP44

- Waterproof
- Dustproof
- Vibration-proof
- Moisture-proof
- Anti-collision
- High and low temperature resistance



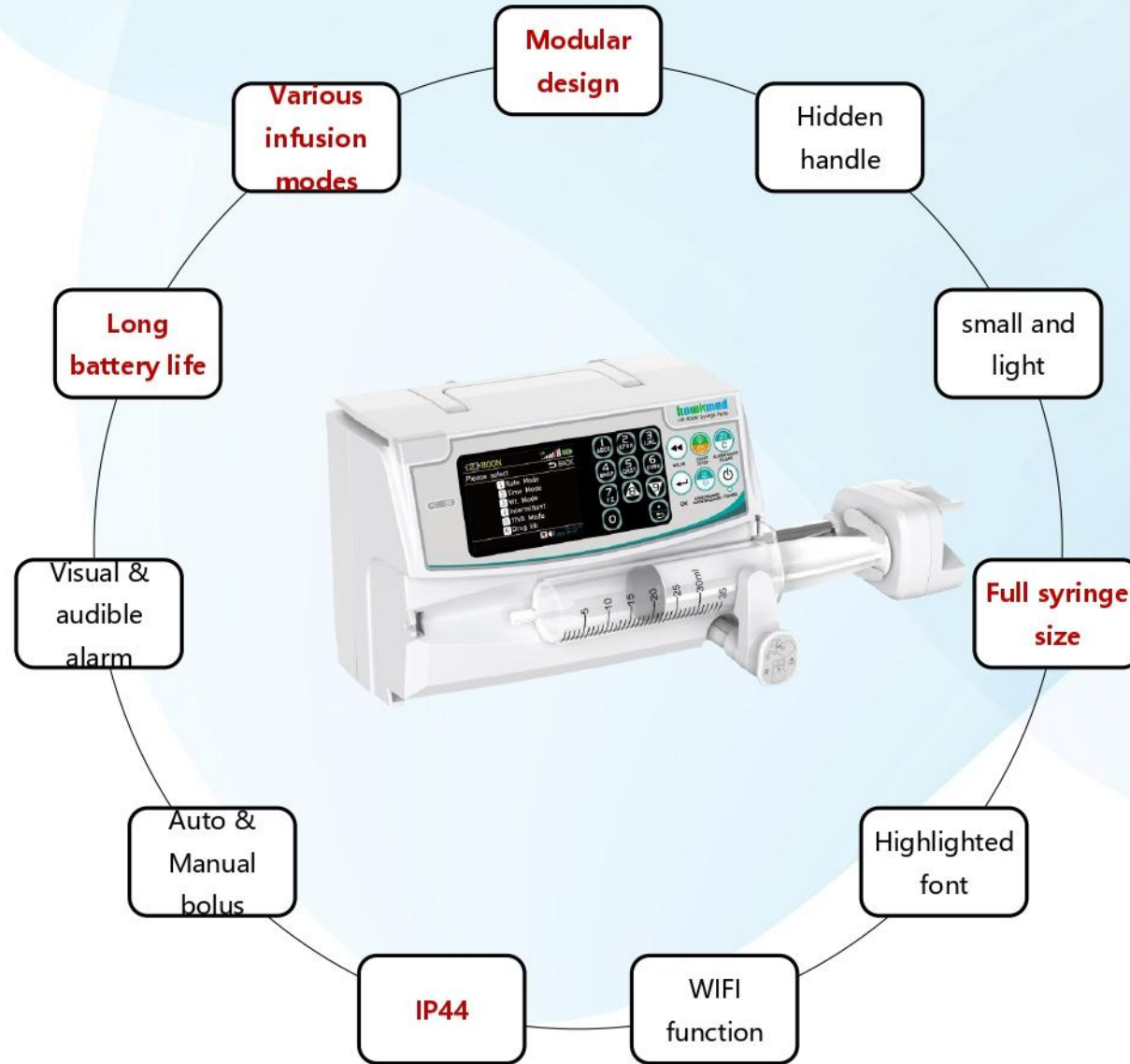
Durable and Reliable

Monitoring system HK-M1000

- Allows for complete wireless interoperability
- Connect to HK-M1000 infusion monitoring system to monitor infusion and alarm synchronously
- Integrate into hospital information system like HIS .



12 Unique selling points



Introduction Words

1. easy and quick operation, Numeric keys combines button design facilitate fast programming
2. cost-effective , easy operation and stable performance while price is reasonable.
3. good reputation, it has been into market for more than 10 years, updated several times and accepted well by the market.
4. Online titration function allows the nurses to change the flow rate or volume without stopping the infusion, ensuring infusion safety.
5. Personalized big font enables nurses to Capture the key information at a distance to reducing nurses' working intensity.
6. Various infusion modes (HK-400III) meet the infusion requirements of both common drugs and special drugs.
7. Modular design and hidden handle are very friendly for space management.
8. High dust proof and waterproof IP44 make it more durable and reliable (HK-400III)
9. Seamlessly adapting to syringes ranging from **2ml to 60ml**, **HK-400III** satisfies the infusion needs of both general and specialized hospital departments, rising to every medication challenge easily.



Parameter Comparison

HK-400 Series Model Parameter Difference

Model	HK-400	HK-400III
Infusion mode	Rate Mode, Time Mode, Weight Mode , Intermittent Mode, Drug Library, TIVA	Rate Mode, Time Mode, Weight Mode, Intermittent Mode, TIVA Mode, Drug Library, Program Mode, TPN Mode, Sequential Mode, Dose Mode, Loading Dose Mode, Micro Mode
Infusion rate & Bolus rate	5 ml syringe: 0.1 - 150 ml/h 10 ml syringe: 0.1 - 300 ml/h 20 ml syringe: 0.1 - 600 ml/h 30 ml syringe: 0.1 - 900 ml/h 50 ml syringe: 0.1 - 1500 ml/h increment at 0.1ml/h	2/2.5ml syringe: 0.1 - 150 ml/h 5 ml syringe: 0.1 - 150 ml/h 10 ml syringe: 0.1 - 300 ml/h 20 ml syringe: 0.1 - 600 ml/h 30 ml syringe: 0.1 - 900 ml/h 50 ml syringe: 0.1 - 1800ml/h increment at 0.01ml/h
KVO rate	(0, 0.10~2.0) ml/h	(0.10~ 10.0) ml/h)
History record	10000	50000
Occlusion Pressure	3 levels	13 levels
Waterproof	IP24	IP44
Battery life	6hrs @ 5ml/h	8hrs @5ml/h or 16hrs @ 5ml/h
Size	300*130*125mm	240 * 135 * 138 (L*W*H) mm, excluding fastening clamp.

Parameter Comparison



HK-400III



Medcaptain SYS-50



B.Braun Perfusor Space



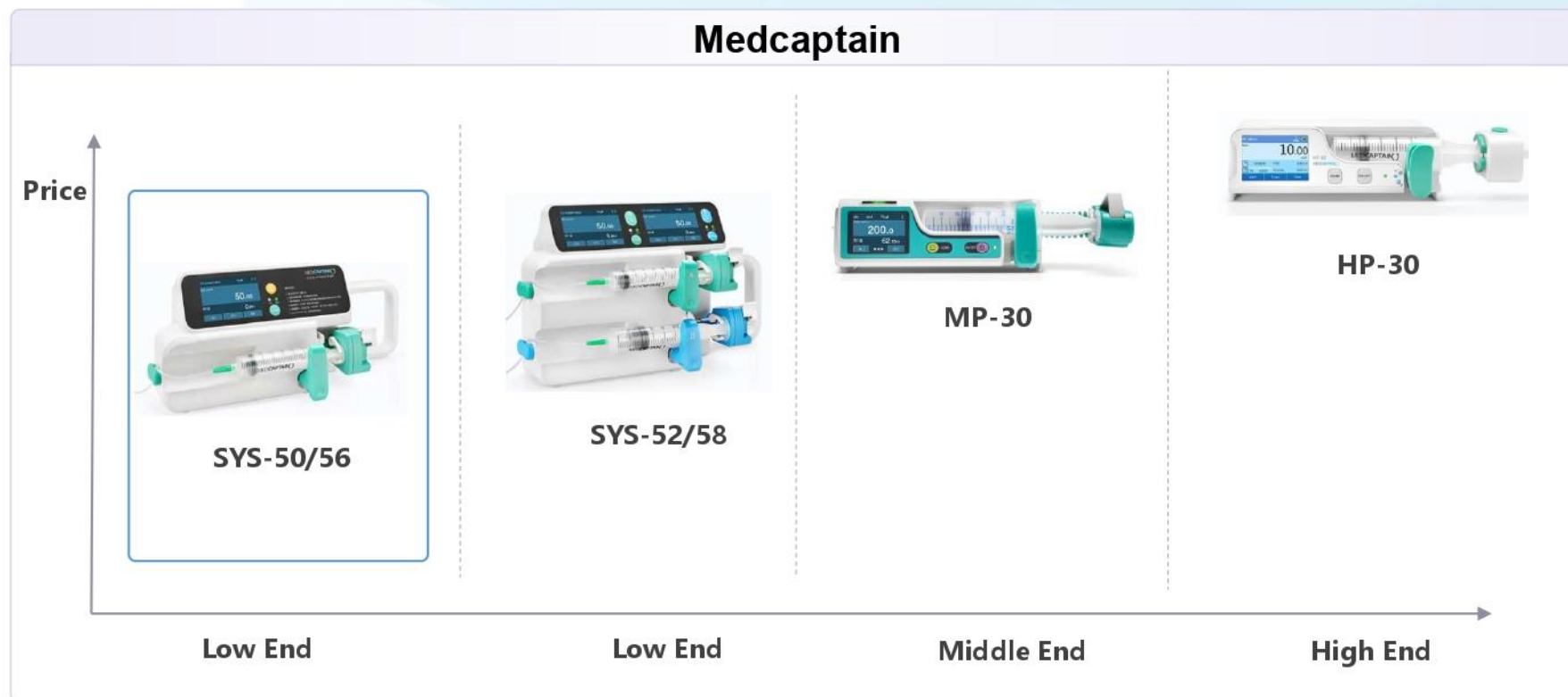
Mindray SP3

Parameter Comparison

Brand	Hawkmed	Medcaptain
Model	HK-400III	SYS-50
Picture		
Size	240 * 135 * 138 (L*W*H)	362*151*130 mm
Net weight	1.8KG	1.8KG
IEC protection Class	Class I , Type CF	Class I ,Type CF
IP Grade	IP44	IP 24
Modular design	Yes	No
Accuracy	± 2%	±2%
Screen size	2.8 inch	3.5 inch
Screen type	non-touch	touch screen
Screen brightness	10 levels	
Night mode	Yes	Yes
Syringe specification	2/2.5ml, 5ml, 10ml, 20ml, 30ml, 50ml, 60ml	5ml, 10ml, 20ml, 30ml, 50ml, 60ml
Injection mode	Rate Mode, Time Mode, Weight Mode, Intermittent Mode, TIVA Mode, Drug Library, Program Mode, TPN Mode, Sequential Mode, Dose Mode, Loading Dose Mode, Micro Mode	Rate, Time, Weight, Sequence, Trapezia, Loading dose, Mirco, TIVA

Parameter Comparison

Brand	Hawkmed	Medcaptain
Model	HK-400III	SYS-50
Picture		
Injection rate	0.1 - 1800 ml/h (50 ml syringe) increment at 0.01ml/h	0.1 -2000ml/h, increment at 0.01ml/h
VTBI	0-9999.99ml, increment at 0.01ml	0.1-9999ml, increment at 0.01ml
KVO	(0.10~10.0) ml/h	(0.1-5)ml/h
Occlusion Pressure Level	13 levels	11 Levels
Bolus	Manual & Auto	
Bolus rate	(0.1-1800) ml/h	(0.1 -2000) ml/h
Battery using life	8 hours @ 5ml/h	5 hrs @ 5ml/h
External Communication	Wifi, nurse call , Type C	WIFI , USB



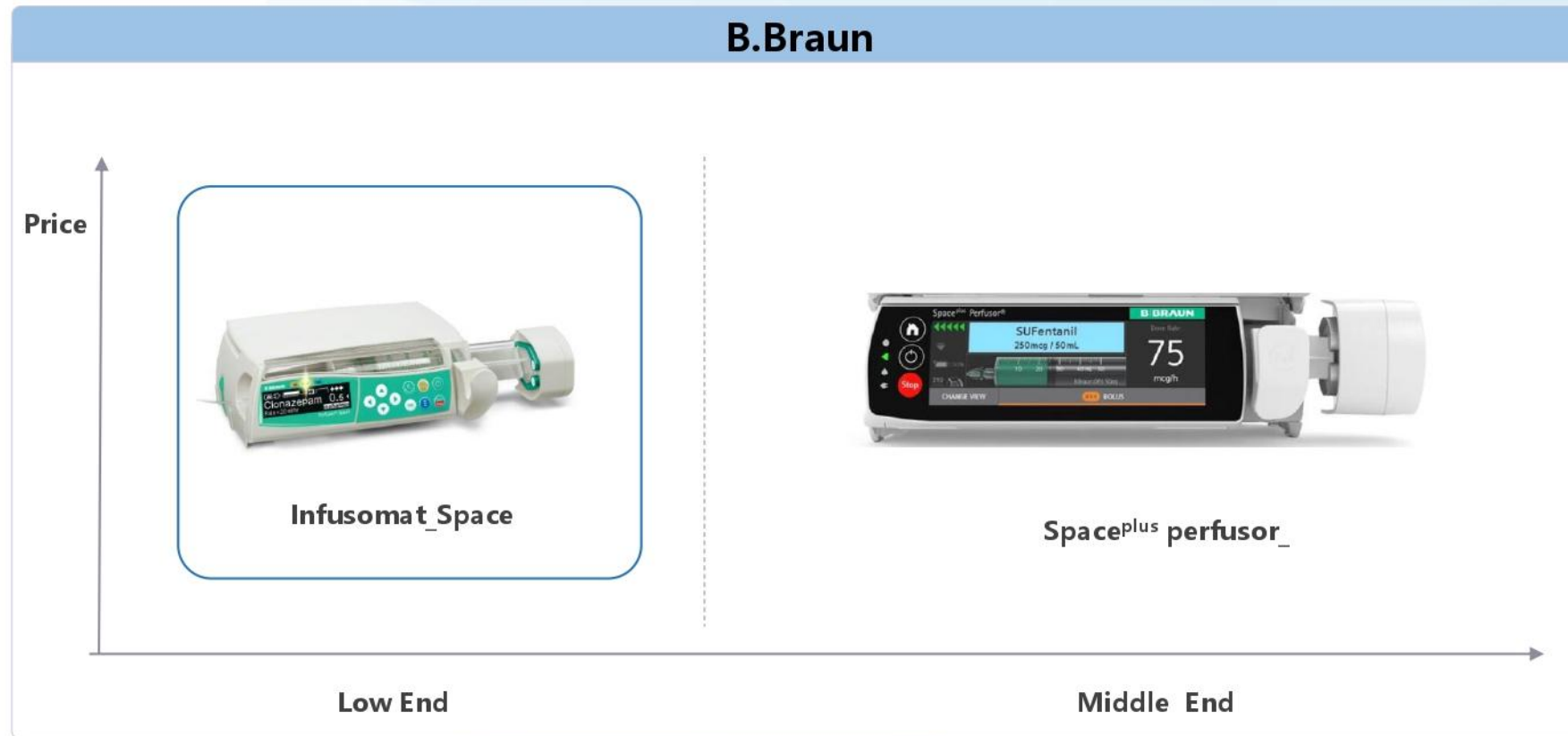
Parameter Comparison

Brand	Hawkmed	B Braun
Model	HK-400III	Perfusor Space
Picture		
Size	240 * 135 * 138 (L*W*H)	249x68x152 mm
Net weight	1.8KG	1.8kg
IEC protection Class	Class I , CF	CF/Class II
IP Grade	IP44	IP22
Certificate	Non CE	CE, FDA
Modular design	Yes	Yes
Accuracy	± 2%	± 2%
Screen size	2.8 inch	2.8 inch black & white
Screen type	non-touch	non-touch
Screen brightness	10 levels	1-9 levels
Night mode	Yes	Yes
Automatic identification of syringe specifications	Yes	Yes
Injection mode	Rate Mode, Time Mode, Weight Mode, Intermittent Mode, TIVA Mode, Drug Library, Program Mode, TPN Mode, Sequential Mode, Dose Mode, Loading Dose Mode, Micro Mode	Rate mode , Time mode , Weight mode, PCA mode , Multi-channel mode.

Parameter Comparison

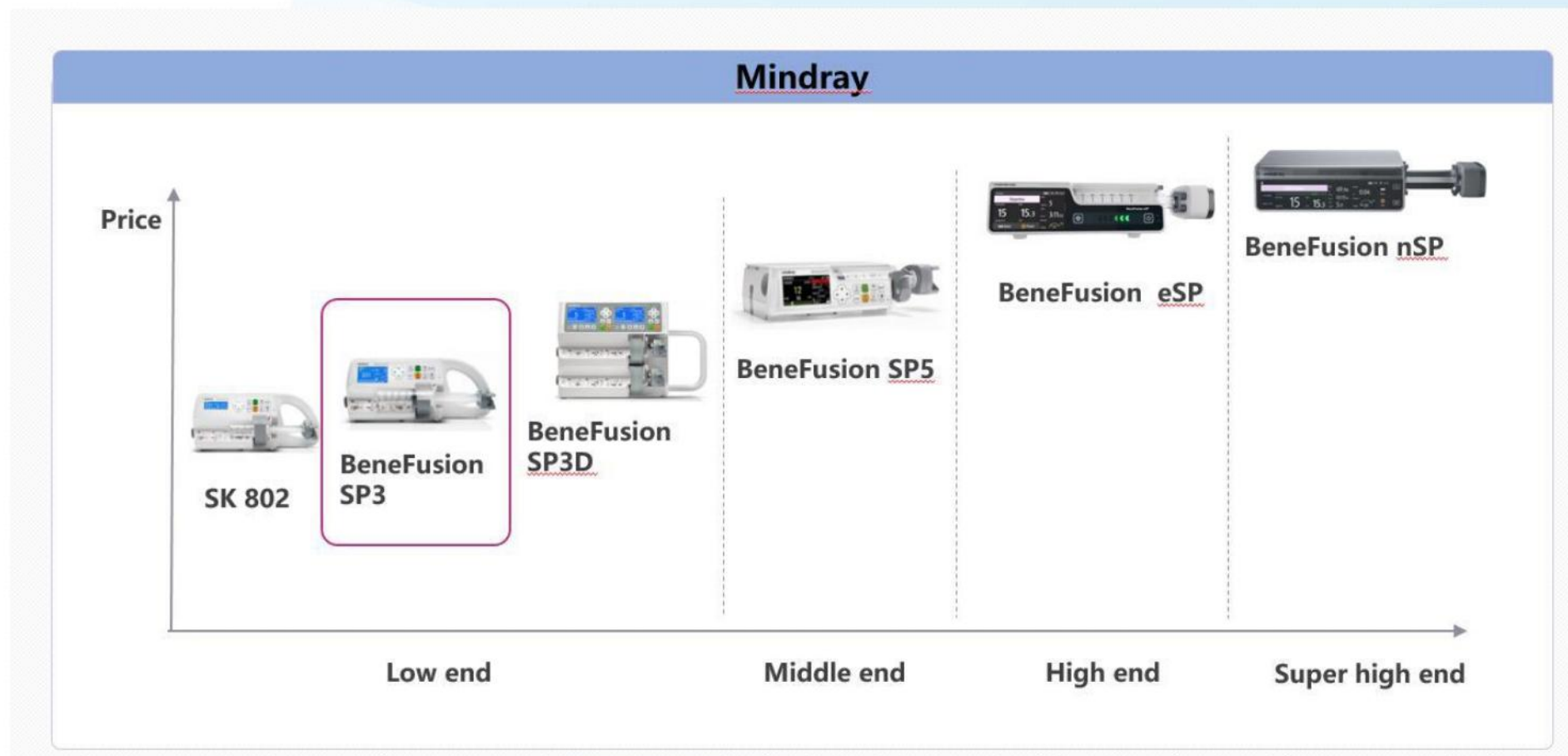
Brand	Hawkmed	B Braun
Model	HK-400III	Perfusor Space
Picture		
Injection rate	0.1 - 1800 ml/h (50 ml syringe) increment at 0.01ml/h	(0.01-1800) ml/h
Volume injected	0-36000 ml	/
VTBI	0-9999.99ml, increment at 0.01ml	0.10-9999 ml
KVO	(0.10~10.0) ml/h	3 ml/h (injection rate>10ml/h) 1 ml/h (injection rate≤10ml/h) preset rate (injection rate≤1ml/h)
Occlusion		
Pressure Level	13 levels	9 levels
Bolus	Manual & Auto	Manual & auto
Bolus rate	(0.1-1800) ml/h	(0.01-1800)ml/h
History record	50000	1000
Alarm sound level	10 levels	1-9 level
Battery using life	8 hours @ 5ml/h	8 hrs @ 25ml/h
External Communication	Wifi, nurse call , Type C	RS232, USB

Parameter Comparison



Brand	Hawkmed	Mindray
Model	HK-400III	SP3
Picture		
Size	258 x 160 x 79mm	330 x 126 x 110mm
Net Weight	1.8KG	1.8kg
IEC protection Class	Class I , CF	CF, Class I
IP Grade	IP44	IP24
Screen Size	2.8 inch LCD screen	3.0" LCD monochrome screen
Screen Type	non-touch	non-touch
Specification	2ml, 5ml, 10ml, 20ml, 30ml, 50ml/60ml	5, 10, 20, 30, 50/60ml
Injection Mode	12 modes: Rate Mode, Time Mode, Weight Mode, Intermittent Mode, TIVA Mode, Drug Library, Program Mode, TPN Mode, Sequential Mode, Dose Mode, Loading Dose Mode, Micro Mode	3 modes: Rate mode, Time mode, Body weight Mode
Injection rate range	0.1 - 1800 ml/h, increment at 0.01ml/h	(0.1~1500) ml/h
Volume injected	0-36000 ml	0.1~9999 ml, increment is 0.1 ml
VTBI	0-9999.99ml	0.1~9999 ml, increment is 0.1 ml
KVO	(0.10 ~ 10.0) ml/h	0.1-5.0 ml/h, adjustable
Bolus rate	0.1-1800ml/h (depending on syringe size)	0.1-1500ml/h (depending on syringe size)

Brand	Hawkmed	Mindray
Model	HK-400III	SP3
Occlusion Pressure Level	13 levels (10-130 kPa)	3 Levels (40-120kPa)
Drug library	nearly 1000	200
History record	50000	1500
Alarm type	handel off, syringe off, occlusion , low battery, battery exhausted, empty ,almost empty, almost done, finished , use battery , AC fail, No operation	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
Battery using Life	8 hrs @ 5ml/h or 16hrs @5ml/h	Standard: 6 hours@5ml/h; Optional: 12 hours@5ml/h
External Communication	Wifi, nurse call , Type C	RS232 WIFI Nurse call, Ambulance
Screen lock	YES	YES
Standby fucntion	YES	YES
Indicator light	YES	YES
Online titration	YES	YES



THANK YOU!

