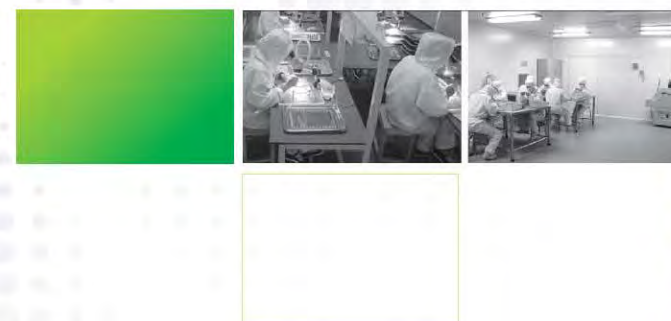




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COMPANY PROFILE

Dongguan Kewei Medical Instrument Co., Ltd. (hereinafter referred to as "Kewei Medical") was founded in 1993. It is a wholly owned subsidiary of Shanghai Microport Medical (Group) Co., Ltd. (HK stock code: 00853). Kewei Medical is the leading enterprise engaging in the development, production and marketing of medical devices for Cardiac Surgery in China.

With the help of first-class research environment, strong and stable research strength and strong support from the group headquarter, a number of main products of the company were given provincial-level key new products and high-tech products, State Torch Program projects, provincial and municipal scientific and technological progress awards and other honors. Currently, it has 26 patents of invention and dozens of key technologies. Some product performance has approached or reached the advanced level of international similar products.

Main products of Kewei Medical include disposable product series under extracorporeal circulation such as Oxygenator (artificial lung), occluder series for the treatment of congenital heart disease and Tracheal Catheter used in Anesthesia and Respiratory Department. Kewei products have been introduced into more than 400 hospitals in China, enjoying the biggest local brand market share. Kewei facility has passed ISO 13485 quality system certification and most products already CE marked and launched into main international countries and areas.



Membrane Oxygenation System

The design of Kewei Oxygenation System aims at a reliable and consistent performance. Priming volume, gas exchange efficiency and pressure drop have been considered as three important parameters, which must balance against each other. 6L/min., 2.5L/min., 1.5L/min. of maximal blood flow are selected for adult type, pediatric type and infant type, which gives sufficient oxygen transferring to different ranges of patients and requires low priming volume. The parallel positioning of gas exchanger and heat exchanger provides an impact structure and reduces the priming volume effectively. The 360 degree rotatable inlet panel idealizes the flexibility and convenience during the operation.



SPECIFICATION	ADULT	PEDIATRIC	INFANT
Max. blood flow	6L/min	2.5 L/min	1.5 L/min
Volume of cardiomy reservoir	4000ml	3000ml	2000ml
Min. operating volume	150ml	150ml	150ml
Priming volume of gas exchange room	160 ml	80ml	50ml
Priming volume of heat exchange room	80 ml	50ml	40ml
Surface area of gas exchange membrane	2 m ²	1.2m ²	0.7m ²
Surface area of heat exchange membrane	0.6 m ²	0.4m ²	0.2m ²
Recommended air and blood ratio	1:1	1:1	1:1
Venous blood inlet port	Φ12mm	Φ10mm	Φ6mm
Venous blood outlet port	Φ10mm	Φ10mm	Φ6mm
Filtered cardiomy inlet ports	Φ6/8/10mm	Φ6/8/10mm	Φ6/8/10mm
Heat exchanger inlet port	Φ10mm	Φ10mm	Φ6mm
Oxygenator inlet port	Φ10mm	Φ10mm	Φ6mm
Gas inlet port	Φ6mm	Φ6mm	Φ6mm
Recirculation port	Φ6mm	Φ6mm	Φ6mm
Water inlet/outlet port	Φ16mm	Φ16mm	Φ16mm

Ordering Information

ORDER NO	MODEL	MAX. BLOOD FLOW	PACKAGING
MO-L	Adult	6L/min.	2pcs/box
MO-M	Pediatric	2.5L/min.	2pcs/box
MO-S	infant	1.5L/min.	2pcs/box

Each Kewei Oxygenation System contains:

Cardiomy Reservoir	1 unit
Hollow Fibre Oxygenator	1 unit
Heat Exchanger	1 unit
3 way stopcock	1 unit
Recirculation tubes with 3 way manifold	1 unit

Venous Return Cannula



The Kewei Single stage Venous Cannulas are designed for optimal drainage. Their bodies are made as wire reinforced to resist kink. The tip types are available in plastic straight, plastic bent and metal bent. The construction allows for higher flow rates with minimal pressure differential.



The Application of Venous Return Cannula

Ordering Information

ORDER NO.	MODEL	ID(mm)	OD(mm)	LENGTH(mm)	CONNECTOR PORT(inch)	
VC-PSR-12	Fr12	3.3	4.0	380	1/4	
VC-PSR-14	Fr14	4.0	4.7	380	1/4	
VC-PSR-16	Fr16	4.5	5.3	380	1/4	
VC-PSR-18	Fr18	5.2	6.0	380	5/16	
VC-PSR-20	Fr20	5.8	6.7	380	5/16	Plastic Straight Tip Reinforced
VC-PSR-22	Fr22	6.3	7.3	380	5/16	
VC-PSR-24	Fr24	7.0	8.0	380	5/16	
VC-PSR-26	Fr26	7.6	8.7	380	5/16	
VC-PSR-28	Fr28	8.0	9.3	400	3/8	
VC-PSR-30	Fr30	8.7	10.0	400	3/8	
VC-PSR-32	Fr32	9.3	10.7	400	3/8	
VC-PSR-34	Fr34	9.9	11.3	400	3/8	
VC-PSR-36	Fr36	10.4	12.0	400	1/2	
VC-PSR-38	Fr38	11.1	12.7	400	1/2	
VC-PSR-40	Fr40	11.5	13.3	400	1/2	
VC-PSR-42	Fr42	11.9	13.8	400	1/2	

ORDER NO.	MODEL	ID(mm)	OD(mm)	LENGTH(mm)	CONNECTOR PORT(inch)	
VC-PCR-12	Fr12	3.3	4.0	380	1/4	
VC-PCR-14	Fr14	4.0	4.7	380	1/4	
VC-PCR-16	Fr16	4.5	5.3	380	1/4	
VC-PCR-18	Fr18	5.2	6.0	380	5/16	
VC-PCR-20	Fr20	5.8	6.7	380	5/16	Plastic Curved Tip Reinforced
VC-PCR-22	Fr22	6.3	7.3	380	5/16	
VC-PCR-24	Fr24	7.0	8.0	380	5/16	
VC-PCR-26	Fr26	7.6	8.7	380	5/16	
VC-PCR-28	Fr28	8.0	9.3	400	3/8	
VC-PCR-30	Fr30	8.7	10.0	400	3/8	
VC-PCR-32	Fr32	9.3	10.7	400	3/8	
VC-PCR-34	Fr34	9.9	11.3	400	3/8	
VC-PCR-36	Fr36	10.4	12.0	400	1/2	
VC-PCR-38	Fr38	11.1	12.7	400	1/2	
VC-PCR-40	Fr40	11.5	13.3	400	1/2	
VC-PCR-42	Fr42	11.9	13.8	400	1/2	

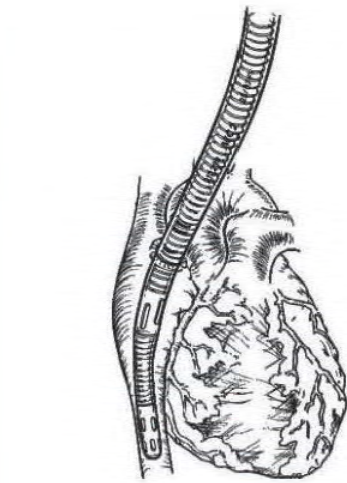
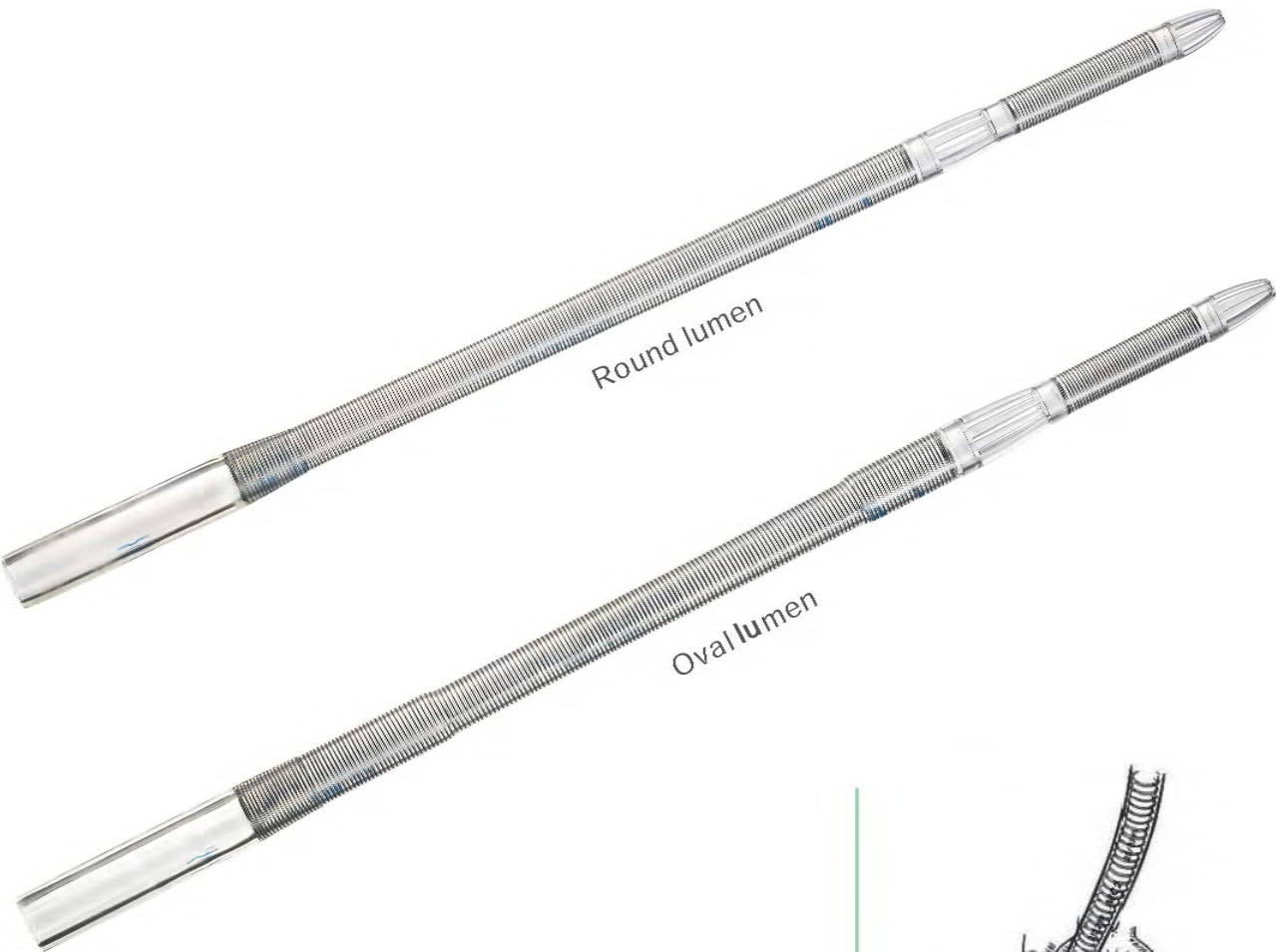
ORDER NO.	MODEL	ID(mm)	OD(mm)	LENGTH(mm)	CONNECTOR PORT(inch)	
VC-MCR-12	Fr12	3.1	4.0	380	1/4	
VC-MCR-14	Fr14	3.8	4.7	380	1/4	
VC-MCR-16	Fr16	4.4	5.3	380	1/4	
VC-MCR-18	Fr18	5.1	6.0	400	5/16	Metal Curved Tip Reinforced
VC-MCR-20	Fr20	5.8	6.7	400	5/16	
VC-MCR-22	Fr22	6.4	7.3	400	5/16	
VC-MCR-24	Fr24	7.1	8.0	400	5/16	
VC-MCR-26	Fr26	7.8	8.7	400	5/16	
VC-MCR-28	Fr28	8.4	9.3	400	3/8	

- Individual package, sterilized with ethylene oxide
- Customized sizes and designs are available for bulk order.

Two Stage Venous Cannula



These cannulas are designed to drain the right atrium and vena cava. They are have kink resistant and low profile bodies, which perform well in limited surgical space.Round body and oval body are available for choice.



The Application of Two Stage Venous Return Cannula

Ordering Information

ORDER NO.	MODEL	1 st Stage(mm)		2 nd Stage(mm)		LENGTH(mm)	CONNECTOR PORT(inch)	 Round Lumen
		ID	OD	ID	OD			
VC-TSR-2428	Fr24×28	6.9	8.0	8.0	9.3	400	3/8	
VC-TSR-2836	Fr28×36	8.0	9.3	10.3	12.0	400	1/2	
VC-TSR-3038	Fr30×38	8.5	10.0	10.9	12.7	400	1/2	
VC-TSR-3238	Fr32×38	9.1	10.7	10.9	12.7	400	1/2	
VC-TSR-3438	Fr34×38	9.6	11.3	10.9	12.7	400	1/2	
VC-TSR-3440	Fr34×40	9.6	11.3	11.4	13.3	410	1/2	
VC-TSR-3446	Fr34×46	9.6	11.3	12.3	15.3	410	1/2	
VC-TSR-3448	Fr34×48	9.6	11.3	12.8	16.0	410	1/2	
VC-TSR-3646	Fr36×46	10.3	12.0	12.3	15.3	410	1/2	
VC-TSR-3650	Fr36×50	10.3	12.0	12.8	16.7	410	1/2	
VC-TSR-3850	Fr38×50	10.9	12.7	12.8	16.7	410	1/2	

ORDER NO.	MODEL	1 st Stage(mm)		2 nd Stage(mm)		LENGTH(mm)	CONNECTOR PORT(inch)	 Oval Lumen
		ID	OD	ID	OD			
VC-TS0-2428	Fr24×28	6.9	8.0	8.0	9.3	400	3/8	
VC-TS0-2836	Fr28×36	8.0	9.3	10.3	12.0	400	1/2	
VC-TS0-3038	Fr30×38	8.5	10.0	10.9	12.7	400	1/2	
VC-TS0-3238	Fr32×38	9.1	10.7	10.9	12.7	400	1/2	
VC-TS0-3438	Fr34×38	9.6	11.3	10.9	12.7	400	1/2	
VC-TS0-3440	Fr34×40	9.6	11.3	11.4	13.3	410	1/2	
VC-TS0-3446	Fr34×46	9.6	11.3	12.3	15.3	410	1/2	
VC-TS0-3448	Fr34×48	9.6	11.3	12.8	16.0	410	1/2	
VC-TS0-3646	Fr36×46	10.3	12.0	12.3	15.3	410	1/2	
VC-TS0-3650	Fr36×50	10.3	12.0	12.8	16.7	410	1/2	
VC-TS0-3850	Fr38×50	10.9	12.7	12.8	16.7	410	1/2	

Individual package, sterilized with ethlyne oxide
Customized sizes and designs are available for bulk order.

Arterial Cannula



The Kewei Arterial Cannulas are designed for aortic cannulation. Their bodies are available in reinforced and non-reinforced. The tip types are available in straight, curve and metal, which completely meet every operational requirement.



Ordering Information

ORDER NO.	MODEL	ID(mm)	OD(mm)	LENGTH(mm)	CONNECTOR PORT(inch)	
IFAC-PSR-ST-08	Fr8	2.1	2.7	211	1/4	Plastic Straight Tip Reinforced With Stylet
IFAC-PSR-ST-10	Fr10	2.6	3.3	211	1/4	
IFAC-PSR-ST-12	Fr12	3.3	4.0	211	1/4	
IFAC-PSR-ST-14	Fr14	4.0	4.7	211	1/4	
IFAC-PSR-ST-16	Fr16	4.6	5.3	211	1/4	

ORDER NO.	MODEL	ID(mm)	OD(mm)	LENGTH(mm)	CONNECTOR PORT(inch)	
IFAC-PSR-08	Fr8	2.1	2.7	205	1/4	Plastic Straight Tip Reinforced
IFAC-PSR-10	Fr10	2.6	3.3	205	1/4	
IFAC-PSR-12	Fr12	3.3	4.0	205	1/4	
IFAC-PSR-14	Fr14	4.0	4.7	205	1/4	
IFAC-PSR-16	Fr16	4.6	5.3	205	1/4 or 3/8	
IFAC-PSR-18	Fr18	5.2	6.0	245	3/8	
IFAC-PSR-20	Fr20	6.0	6.7	245	3/8	
IFAC-PSR-22	Fr22	6.4	7.3	245	3/8	
IFAC-PSR-24	Fr24	7.1	8.0	245	3/8	

ORDER NO.	MODEL	ID(mm)	OD(mm)	LENGTH(mm)	CONNECTOR PORT(inch)	
IFAC-PSR-SR-14	F14	4.0	4.7	205	1/4	Plastic Straight Tip Reinforced With Suture Ring
IFAC-PSR-SR-16	Fr16	4.6	5.3	205	1/4 or 3/8	
IFAC-PSR-SR-18	Fr18	5.2	6.0	245	3/8	
IFAC-PSR-SR-20	Fr20	6.0	6.7	245	3/8	
IFAC-PSR-SR-22	Fr22	6.4	7.3	245	3/8	
IFAC-PSR-SR-24	Fr24	7.1	8.0	245	3/8	

ORDER NO.	MODEL	ID(mm)	OD(mm)	LENGTH(mm)	CONNECTOR PORT(inch)	
IFAC-PSN-08	Fr8	1.7	2.7	205	1/4	Plastic Straight Tip Non-reinforced
IFAC-PSN-10	Fr10	2.0	3.3	205	1/4	
IFAC-PSN-12	Fr12	2.6	4.0	205	1/4	
IFAC-PSN-14	Fr14	3.2	4.7	205	1/4	
IFAC-PSN-16	Fr16	3.8	5.3	205	1/4 or 3/8	
IFAC-PSN-18	Fr18	4.4	6.0	245	3/8	
IFAC-PSN-20	Fr20	4.9	6.7	245	3/8	
IFAC-PSN-22	Fr22	5.3	7.3	245	3/8	
IFAC-PSN-24	Fr24	5.7	8.0	245	3/8	

- Individual package, sterilized with ethylene oxide
- Customized sizes and designs are available for bulk order.



Cardioplegia Delivery System

Cardioplegia is the intentional and temporary cessation of cardiac activity, primarily used in cardiac surgery. As known as myocardial protection system, the product is designed for safer and more effective delivery of cardioplegia solution.



ORDER NO: CDS-A

- Aluminium Heat exchanger, efficient heat exchange
- 40 nm micron filter
- Temperature measurement
- Short circuit switch
- Low prime volume
- Integrated bubble trap
- Work with the cold water machine

ORDER NO: CDS-B

- PE tubing heat exchange system
- Work with ice bucket.



ORDER NO: CDS-C

- Aluminum coil heat exchanger
- Low priming volume
- Equipped with cardioplegia bag
- Work with ice bucket



ORDER NO.	MODEL	ID(mm)	OD(mm)	LENGTH(mm)	CONNECTOR PORT(inch)	
IFAC-PSN-SR-14	Fr14	3.2	4.7	205	1/4	Plastic Straight Tip Non-reinforced with Suture Ring
IFAC-PSN-SR-16	Fr16	3.8	5.3	205	1/4 or 3/8	
IFAC-PSN-SR-18	Fr18	4.4	6.0	245	3/8	
IFAC-PSN-SR-20	Fr20	4.9	6.7	245	3/8	
IFAC-PSN-SR-22	Fr22	5.3	7.3	245	3/8	
IFAC-PSN-SR-24	Fr24	5.7	8.0	245	3/8	

ORDER NO.	MODEL	ID(mm)	OD(mm)	LENGTH(mm)	CONNECTOR PORT(inch)	
IFAC-PCR-12	Fr12	3.0	4.0	215	1/4	Plastic Curved Tip Reinforced
IFAC-PCR-14	Fr14	3.6	4.7	215	1/4	
IFAC-PCR-16	Fr16	4.4	5.3	215	3/8	
IFAC-PCR-18	Fr18	5.2	6.0	255	3/8	
IFAC-PCR-20	Fr20	5.8	6.7	255	3/8	
IFAC-PCR-22	Fr22	6.3	7.3	255	3/8	
IFAC-PCR-24	Fr24	6.8	8.0	255	3/8	

ORDER NO.	MODEL	ID(mm)	OD(mm)	LENGTH(mm)	CONNECTOR PORT(inch)	
IFAC-PCN-12	Fr12	3.0	4.0	215	1/4	Plastic Curved Tip Non-reinforced
IFAC-PCN-14	Fr14	3.6	4.7	215	1/4	
IFAC-PCN-16	Fr16	4.4	5.3	215	3/8	
IFAC-PCN-18	Fr18	5.2	6.0	255	3/8	
IFAC-PCN-20	Fr20	5.8	6.7	255	3/8	
IFAC-PCN-22	Fr22	6.3	7.3	255	3/8	
IFAC-PCN-24	Fr24	6.8	8.0	255	3/8	

ORDER NO.	MODEL	ID(mm)	OD(mm)	LENGTH(mm)	CONNECTOR PORT(inch)	
IFAC-MCR-14	Fr14	3.6	4.7	210	1/4	Metal Curved Tip Reinforced
IFAC-MCR-16	Fr16	4.4	5.3	210	3/8	
IFAC-MCR-18	Fr18	5.2	6.0	210	3/8	
IFAC-MCR-20	Fr20	5.8	6.7	210	3/8	
IFAC-MCR-22	Fr22	6.3	7.3	210	3/8	
IFAC-MCR-24	Fr24	6.8	8.0	210	3/8	

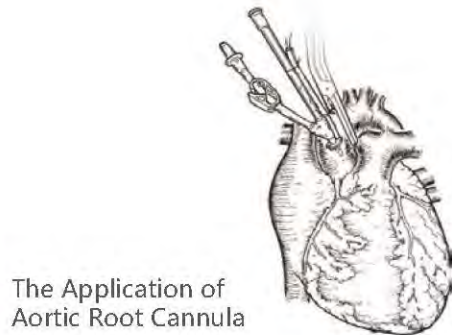
Aortic Root Cannula



Kewei Aortic Root Cannulas are designed for safe and easy use in the infusion of cardioplegia and aortic root bubble venting. They feature radiopaque tips attached to clear PVC bodies. Additional features available with these cannulas include aortic root pressure monitoring and left heart venting. All cannulas are supplied with a stainless steel introducer needle.

FEATURES

- Medical grade PVC material for the body.
- The special stainless steel treatment makes the needle rigid and tenacious.
- Molded tip resists kinking.



The Application of Aortic Root Cannula



without vent line

ORDER NUMBER	MODEL	DESCRIPTION
ARC-S-15	Adult	Without vent line, 15GA, fixation flange, female luer connector
ARC-S-16	Pediatric	Without vent line, 16GA, fixation flange, female luer connector
ARC-S-18	Infant	Without vent line, 18GA, fixation flange, female luer connector



with vent line

ORDER NUMBER	MODEL	DESCRIPTION
ARC-Y-15	Adult	With vent line, 15GA, fixation flange, female luer connector
ARC-Y-16	Pediatric	With vent line, 16GA, fixation flange, female luer connector
ARC-Y-18	Infant	With vent line, 18GA, fixation flange, female luer connector

Coronary Artery Ostial Cannula



These cannulas feature flanged, radiopaque basket tips. All cannulas have female luer connection site.

45°



ORDER NUMBER	DESCRIPTION
CAOC-45-10	45 degree, 10F(3.3mm)
CAOC-45-12	45 degree, 12F(4.0mm)
CAOC-45-14	45 degree, 14F(4.7mm)

90°



ORDER NUMBER	DESCRIPTION
CAOC-90-10	90 degree, 10F(3.3mm)
CAOC-90-12	90 degree, 12F(4.0mm)
CAOC-90-14	90 degree, 14F(4.7mm)

Tourniquets Tubes



ORDER NO-OT

Standard Provision: 3 clear, 2 blue, 2 red.

Gas Line Filter



ORDER NO-GLF

Inlet:1/4 inch Outlet:1/4 inch

Connectors



Ordering Information

PRODUCT	METRIC SIZES(mm)				BRITISH SIZES(inch)			
2 way connector	12X12	12X10	10X10		1/2 x 1/2	1/2 x 3/8	3/8 X 3/8	
	10X8	10X6	8X8		3/8 X 5/16	3/8 x 1/4	5/16 x 5/16	
	8X6	8X4	6X6		5/16 X 1/4	5/16 X 5/32	1/4 X 1/4	
	6X4	6X3	4X4		1/4 X 5/32	5/32 X 5/32	1/8 X 1/8	
		3X3				1/4 X 1/8		
3 way connector	12x12x6	12x10x10	10x10x10	1/12x1/12x1/4	1/2 x 3/8 x 3/8		3/8 x 3/8 x 3/8	
	10x8x8	10x6x6	8x10x8	3/8 x 5/16 x 5/16	3/8 x 1/4 x 1/4		5/16 x 3/8 x 5/16	
	8x8x8	8x6x6	6x6x6	5/16 x 5/16 x 5/16	5/16 x 1/4 x 1/4		1/4 x 1/4 x 1/4	
		6x4x4			1/4 x 5/32 x 5/32			
	6x3x3	4x4x4	10x10x6	1/4 x 1/8 x 1/8	5/32 x 5/32 x 5/32		3/8 x 3/8 x 1/4	
connector with luer lock	12x10	10x10	10x8	10x6	1/2 x 3/8	3/8 x 3/8	3/8 x 5/16	3/8 x 1/4
	8x8	8x6	6x6		5/16 x 5/16	5/16 x 1/4	1/4 x 1/4	
		6x4				1/4 x 5/32		

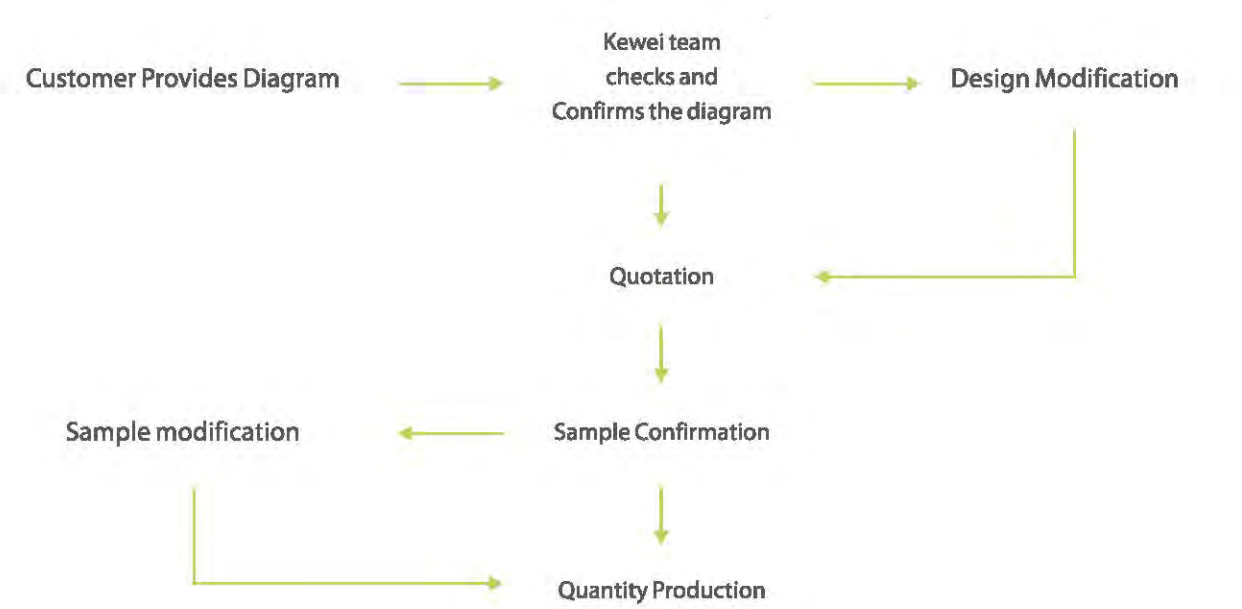
Extracorporeal Circulation Tubing



Customized service

Kewei offers customized service for extracorporeal tubing. The product can be manufactured as per the design by users. Our professional service team ensures the efficiency in the procedure from receiving diagram to quantity production.

The flow chart of Customize service



Vent Catheter



The product is designed to drain blood from left atrium and left ventricle. There are three types available: Type A (standard), Type B (body deformable), Type C (spring metal tip).



Type A (adult and pediatric: with stylet): PVC material for the body. PP material for stylet.



Type A (infant: without stylet): PVC material for the body.



Type B (body deformable): the tip can be curved to any angle at doctor's wish.



Type C (spring metal tip): good supporting and can insure maximum blood flow.

Product Features:
The body tube has depth marker for precise positioning. DOP free.

Ordering Information

TYPE	ORDER NO.	MODEL	OD OF STYLET(mm)	ID OF TUBE(mm)	OD OF TUBE(mm)	LENGTH(mm)	NUMBER OF LATERAL PORES	CONNECTOR PORE(inch)
TYPE A	SCA-18	Adult	2.8	3.4	5.8	320	5	1/4
	SCA-14	Pediatric	2.1	2.5	4.5	280	5	1/4
	SCA-12	Infant	/	2.5	4.0	280	6	1/4
TYPE B	SCB-18	Adult	/	3.5	5.8	350	5	1/4
	SCB-14	Pediatric	/	2.5	4.5	310	6	1/4
	SCB-12	Infant	/	2.5	4.0	310	6	1/4
TYPE C	SCC-18	Adult	/	3.0	5.8	350	/	1/4
	SCC-14	Pediatric	/	2.5	4.5	310	/	1/4
	SCC-12	Infant	/	2.0	4.0	310	/	1/4

Rigid Suction Catheter



The rigid intracardiac suckers are designed to clear the surgical site of excess blood. These suction devices feature maximum flow and minimum trauma. A plastic grip is equipped for comfortable operation. The tip of the pediatric model has been made softer for gentle suction.



Ordering Information

ORDER NO.	MODEL	ID OF TUBE(mm)	OD OF TUBE(mm)	LENGTH(mm)	CONNECTOR PORT(inch)
SCR-18	Adult	4.8	5.8	200	1/4
SCR-14	Pediatric	3.5	4.5	155	1/4

Flexible Suction Catheter



These Sumps feature a soft tip to maximize the suction flow and minimize the tissue trauma. The tip design is ideal for atraumatic suction within the heart chambers. These sumps are available in pediatric and adult sizes.



Ordering Information

ORDER NO.	MODEL	ID OF TUBE(mm)	OD OF TUBE(mm)	LENGTH(mm)	CONNECTOR PORT(inch)
SCF-18	Adult	4.0	6.0	440	1/4
SCF-14	Pediatric	3.0	5.0	380	1/4



Hollow Fibre Hemofilter

The Hemofilters are designed for efficiently concentrating blood using a polyethersulfone membrane material for high ultrafiltration rate, controlling hemodilution and filtrate factors of allergy, pyrogen and inflammation during bypass surgery.

Features:

- High ultrafiltration rate
- Low priming volume
- High visibility

Membrane Supplier: ALL KAWASAKI
HYDROLYSIS POLYMER

Functions:

- Control hemodilution
- Filtrate factors of allergy, pyrogen and inflammation



Ordering Information

ORDER NUMBER	MODEL	MEMBRANE AREA(m²)	MAX.TMP(mmHg)	PRIMING VOLUME(ml)
HFF08	Adult	0.8	500	58ml
HFF03	Pediatric	0.3	500	30ml

SYNPHAN®

Capillary Membrane
Type: HF 600T

Sheet No. 080/0105/000 of 12/04
Supersedes 080/0105/000 of 12/04

Chemical composition Test Ref.No

Polymer Polyethersulfone

Physical Properties

Wall thickness	m	35	µm	701/017
	d	±5	µm	
Inner diameter	m	200	µm	701/017
	d	±15	µm	

Membrane performance Characteristics

Hydraulic permeability (ultrafiltration rate for Albumin solution) (QF=30 ml/min x m²)	approx.	38	ml/{(hxm²xmmHg)*}	701/068
Sieving coefficients (QF=30 ml/min x m²)	approx.	0. 63		701/068
	approx.	0. 01		

Arterial Filter

Efficient, easy-priming arterial filters for adult, pediatric and infant use.



Ordering Information

	AF-S	AF-M	AF-L
SPECIFICATION	Infant	Child	Adult
Priming volume	40ml	98mm	160mm
Max Blood flow rate	1500L/min	3000L/min	6000L/min
Screen pore size	40 micron nominal	40 micron nominal	40 micron nominal
Inlet Connectors	1/4 inch	3/8 inch(9.5mm)	3/8 inch
Out let connectors	1/4 inch	3/8 inch(9.5mm)	3/8 inch
Vent port	Standard female luer Lock	Standard female luer Lock	Standard female luer Lock
Filtering mesh	120cm²	400cm²	660cm²

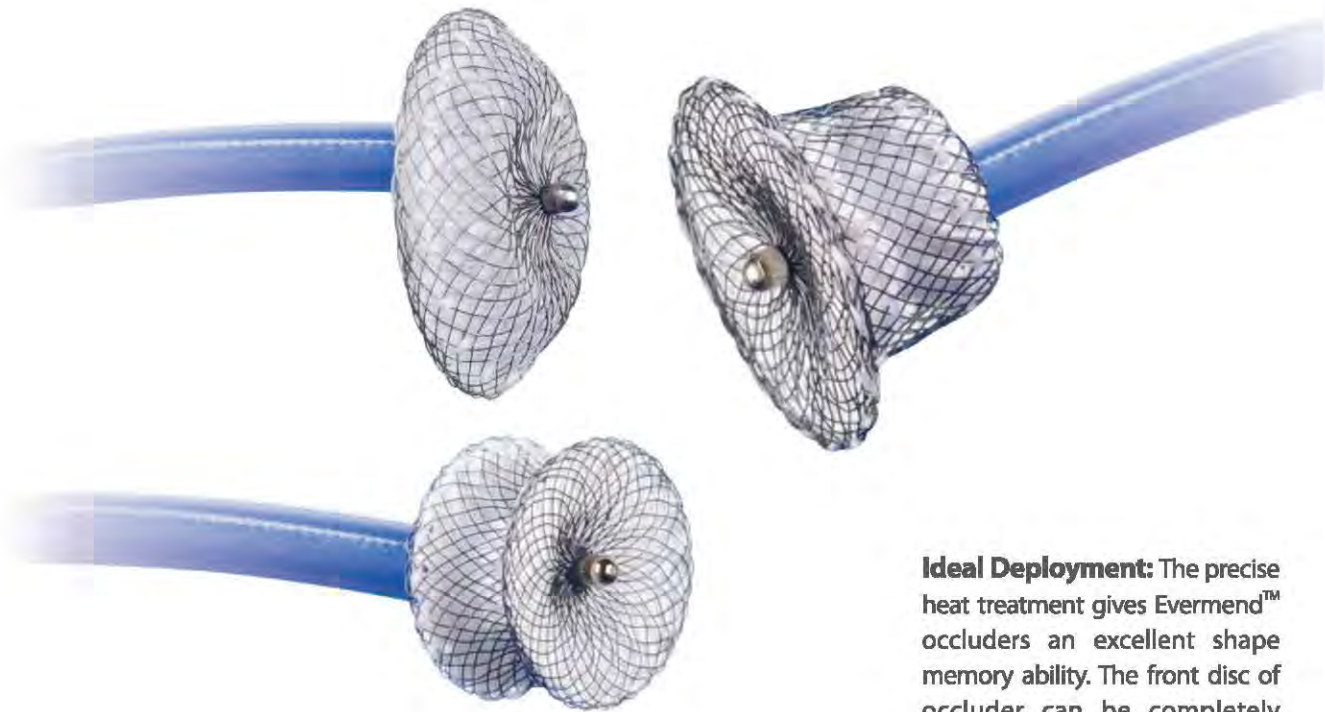
Features

- Optimal filtration
- Effective air handling, microbubbles rise easily to the top
- Excellent visibility
- Vent on top for ventilation or pressure measurement

Features of Evermend™ Occluder Family:

Better biocompatibility: The Nitinol wire and patches of Evermend™ OCCLUDERS are provided by top international manufacturers. The superior materials not only minimize the adverse reactions, but also accelerate the coverage of endothelial.

Animal experiments showed that endothelial cells in Evermend™ occluder grew massively 5 days post implant. 98% of the occluders were entirely covered with Cardiac endothelial tissue at the 30 days post implant.



Ideal Deployment: The precise heat treatment gives Evermend™ occluders an excellent shape memory ability. The front disc of occluder can be completely stretched, so that increase the success rate of deployment. And Physicians are free from using over large occluders.

Smoother delivery: Benefit from the new framework Structure, Evermend™ OCCLUDERS become more impacted. That makes the delivery even smoother. And in the cases of large defect and infant patient, physicians are able to select a smaller sheath to protect vessels from damage.

PDA Occluder

The Evermend™ PDA occluder is a percutaneous, transcatheter device especially designed for closure of normally located PDA. The treatment is feasible in the very young pediatric population. The occluder is made of a Nitinol wire mesh shaped into a cylindrical plug with a flange to secure the occluder in the right position. Three pieces of polyester fabric sewn inside help close the hole and provide a foundation for growth of tissue over the occluder after placement.

Kewei provides full range of sizes and the service of tailor made for those irregular PDAs.



Ordering Information

Specification	D(mm)	D1(mm)	D2(mm)	L(mm)	Sheath:Delivery System Via Chest Minimal Invasion	Sheath2:Delivery System Via Periperal Vessel
KW040610	6.0±1.0	10.0±1.0	4.0±1.0	7.0±1.0	6F	6F
KW060812	8.0±1.0	12.0±1.0	6.0±1.0	7.0±1.0	6F	6F
KW081014	10.0±1.5	14.0±1.0	8.0±1.0	7.0±1.0	8F	7F
KW101216	12.0±1.5	16.0±1.0	10.0±1.0	7.0±1.0	8F	8F
KW121420	14.0±1.5	20.0±1.0	12.0±1.0	7.0±1.0	8F	8F
KW141622	16.0±1.5	22.0±1.0	14.0±1.0	8.0±1.0	8F	8F
KW161824	18.0±1.5	24.0±1.0	16.0±1.0	8.0±1.0	10F	9F
KW182026	20.0±1.5	26.0±1.0	18.0±1.0	9.0±1.0	10F	10F
KW202228	22.0±1.5	28.0±1.0	20.0±1.0	9.0±1.0	12F	12F
KW222430	24.0±1.5	30.0±1.0	22.0±1.0	10.0±1.5	12F	12F

VSD Occluder

Evermend™ VSD Occluders are designed for the percutaneous, transcatheter occlusion of ventricular septal defects (VSD). According to the variety of ventricular septum in thickness, The Evermend™ VSD occluders are worked out as Pre-membranous VSD occluder and Muscular VSD Occluder. The frame of the product is made of quality nitinol wire, sewn with three pieces of polyester fabric.

Pre-Membranous VSD Occluder

There are 90% of VSD occurs around the membranous part. The Evermend™ Pre-Membranous VSD occluder allows closure of the defects using a percutaneous transcatheter procedure instead of surgery.

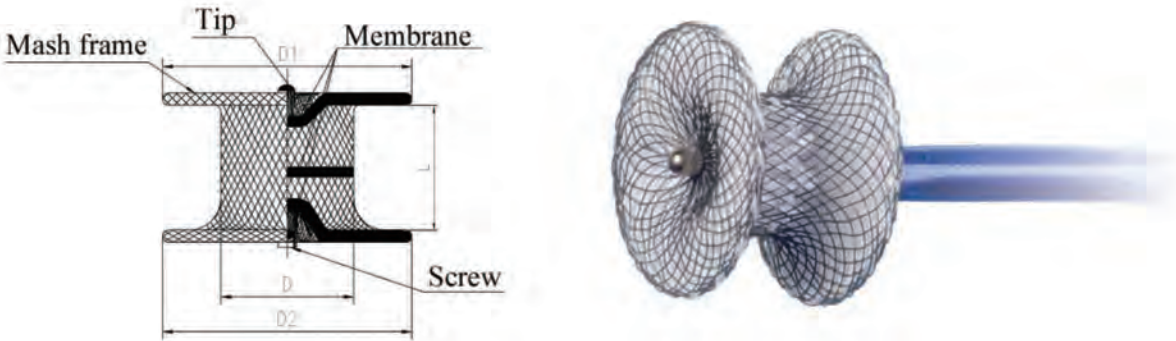


Ordering Information

Specification	D(mm)	D1(mm)	D2(mm)	L(mm)	Sheath1:Delivery System Via Chest Minimal Invasion	Sheath2:Delivery System Via Periperal Vessel
KWV040808	4.0±0.5	8.0±0.5	8.0±0.5	3.0±1.0	6F	6F
KWV050909	5.0±0.5	9.0±0.5	9.0±0.5	3.0±1.0	6F	6F
KWV061010	6.0±0.5	10.0±0.5	10.0±0.5	3.0±1.0	8F	7F
KWV071111	7.0±0.5	11.0±0.5	11.0±0.5	3.0±1.0	8F	7F
KWV081212	8.0±0.5	12.0±0.5	12.0±0.5	3.0±1.0	8F	8F
KWV091313	9.0±0.5	13.0±0.5	13.0±0.5	3.0±1.0	8F	8F
KWV101414	10.0±1.0	14.0±1.0	14.0±1.0	3.0±1.0	8F	8F
KWV121616	12.0±1.0	16.0±1.0	16.0±1.0	3.0±1.0	10F	9F
KWV141919	14.0±1.0	19.0±1.0	19.0±1.0	3.0±1.0	10F	10F
KWV162121	16.0±1.0	21.0±1.0	21.0±1.0	3.0±1.0	10F	10F
KWV182323	18.0±1.0	23.0±1.0	23.0±1.0	3.0±1.0	12F	12F
KWV202525	20.0±1.0	25.0±1.0	25.0±1.0	3.0±1.0	12F	12F
KWV222727	22.0±1.0	27.0±1.0	27.0±1.0	3.0±1.0	12F	12F
KWV242929	24.0±1.0	29.0±1.0	29.0±1.0	3.0±1.0	12F	12F

Muscular VSD Occluder

There are around 10% of VSD occurs in the Muscular part. This type of occluder are specially made as thicker to fit the defect. The Muscular VSD Occluder has two concentric discs and a wide waist to accommodate the thicker portion of the ventricular septum.



Ordering Information

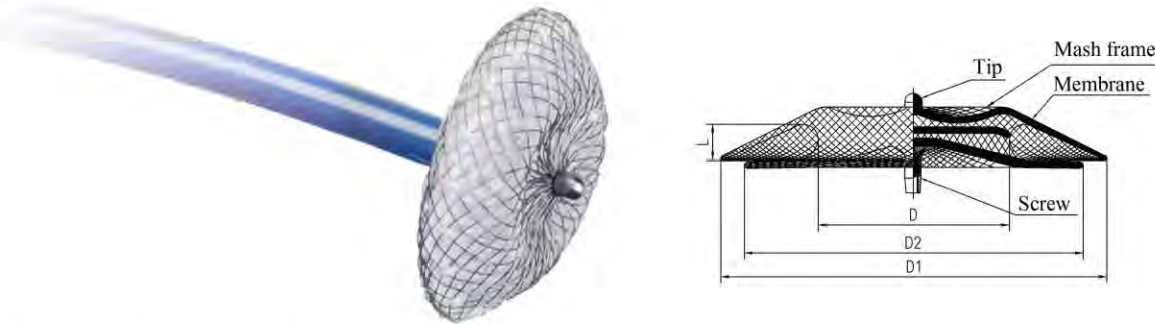
Specification	D(mm)	D1(mm)	D2(mm)	L(mm)	Sheath1:Delivery System Via Chest Minimal Invasion	Sheath2:Delivery System Via Periperal Vessel
KWV041010	4.0±0.5	10.0±0.5	10.0±0.5	7.0±1.0	6F	6F
KWV051111	5.0±0.5	11.0±0.5	11.0±0.5	7.0±1.0	6F	6F
KWV061212	6.0±0.5	12.0±0.5	12.0±0.5	7.0±1.0	8F	7F
KWV071313	7.0±0.5	13.0±0.5	13.0±0.5	7.0±1.0	8F	7F
KWV081414	8.0±0.5	14.0±0.5	14.0±0.5	7.0±1.0	8F	8F
KWV091515	9.0±0.5	15.0±0.5	15.0±0.5	7.0±1.0	8F	8F
KWV101616	10.0±1.0	16.0±1.0	16.0±1.0	7.0±1.0	8F	8F
KWV121818	12.0±1.0	18.0±1.0	18.0±1.0	7.0±1.0	10F	9F
KWV142020	14.0±1.0	20.0±1.0	20.0±1.0	7.0±1.0	10F	10F
KWV162222	16.0±1.0	22.0±1.0	22.0±1.0	7.0±1.0	10F	10F
KWV182424	18.0±1.0	24.0±1.0	24.0±1.0	7.0±1.0	12F	12F
KWV202626	20.0±1.0	26.0±1.0	26.0±1.0	7.0±1.0	12F	12F
KWV222828	22.0±1.0	28.0±1.0	28.0±1.0	7.0±1.0	12F	12F
KWV243030	24.0±1.0	30.0±1.0	30.0±1.0	7.0±1.0	12F	12F

ASD Occluder

The Evermend™ ASD occluder is designed for the percutaneous, transcatheter occlusion of secundum atrial septal defect or patient who have to close their Fontan fenestration.

The frame of the occluder uses Nitinol wire as material that shaped into two discs. A waist that fits the size of the defect connects the two discs. Three polyester fabrics insert to help close the hole and provide a foundation for growth of tissue over the occluder after placement.

Low profile and well shaping are considered as two essential parameters in the design of Evermend™ occluder. High quality Nitinol material along with intensive heat processing, ensures the excellent ability of shape memorizing, which enable the occluder smooth in delivery and deploys completely when released.



Ordering Information

Specification	D(mm)	D1(mm)	D2(mm)	L(mm)	Sheath1:Delivery System Via Chest Minimal Invasion	Sheath2:Delivery System Via Periperal Vessel
KW051317	5.0±0.5	17.0±0.5	13.0±0.5	3.5±1.0	8F	7F
KW061418	6.0±0.5	18.0±0.5	14.0±0.5	3.5±1.0	8F	7F
KW071519	7.0±0.5	19.0±0.5	15.0±0.5	3.5±1.0	8F	8F
KW081620	8.0±0.5	20.0±0.5	16.0±0.5	3.5±1.0	8F	8F
KW091721	9.0±0.5	21.0±0.5	17.0±0.5	3.5±1.0	8F	8F
KW101822	10.0±0.5	22.0±0.5	18.0±0.5	3.5±1.0	8F	8F
KW112125	11.0±0.5	25.0±0.5	21.0±0.5	4.0±1.0	10F	9F
KW122226	12.0±0.5	26.0±0.5	22.0±0.5	4.0±1.0	10F	9F
KW132327	13.0±0.5	27.0±0.5	23.0±0.5	4.0±1.0	10F	9F
KW142428	14.0±0.5	28.0±0.5	24.0±0.5	4.0±1.0	10F	10F
KW152529	15.0±0.5	29.0±0.5	25.0±0.5	4.0±1.0	10F	10F
KW162630	16.0±0.5	30.0±0.5	26.0±0.5	4.0±1.0	10F	10F
KW172731	17.0±0.5	31.0±0.5	27.0±0.5	4.0±1.0	10F	10F
KW182832	18.0±0.5	32.0±0.5	28.0±0.5	4.0±1.0	10F	10F
KW192933	19.0±0.5	33.0±0.5	29.0±0.5	4.0±1.0	10F	10F
KW203034	20.0±0.5	34.0±0.5	30.0±0.5	4.0±1.0	12F	12F
KW223236	22.0±1.0	36.0±1.0	32.0±1.0	4.0±1.0	12F	12F
KW243438	24.0±1.0	38.0±1.0	34.0±1.0	4.0±1.0	12F	12F
KW263640	26.0±1.0	40.0±1.0	36.0±1.0	4.5±1.0	12F	12F
KW283842	28.0±1.0	42.0±1.0	38.0±1.0	4.5±1.0	12F	12F
KW304044	30.0±1.0	44.0±1.0	40.0±1.0	4.5±1.0	14F	14F
KW324246	32.0±1.0	46.0±1.0	42.0±1.0	4.5±1.0	14F	14F
KW344450	34.0±1.0	50.0±1.0	44.0±1.0	4.5±1.0	14F	14F
KW364652	36.0±1.0	52.0±1.0	46.0±1.0	4.5±1.0	14F	14F
KW384854	38.0±1.0	54.0±1.0	48.0±1.0	4.5±1.0	14F	14F
KW405056	40.0±1.0	56.0±1.0	50.0±1.0	4.5±1.0	14F	14F
KW425258	42.0±1.0	58.0±1.0	52.0±1.0	4.5±1.0	14F	14F

Delivery System For Occluders

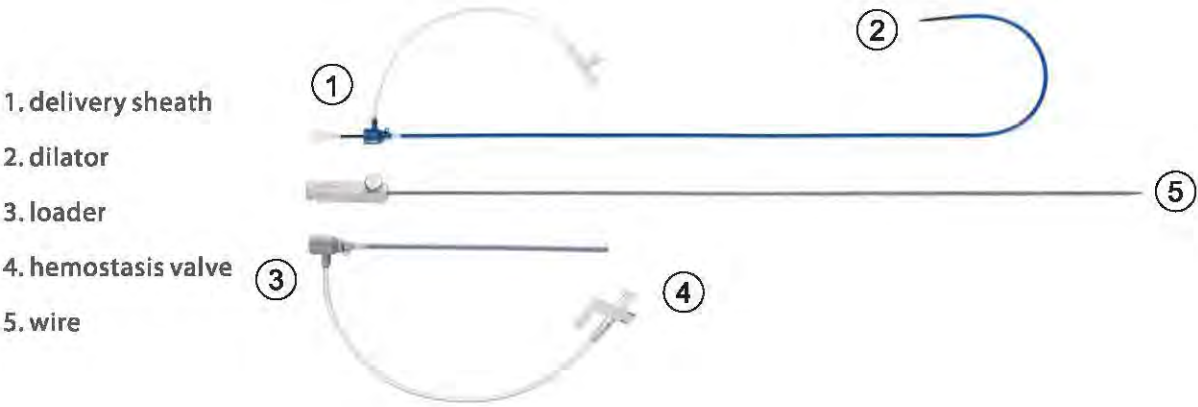
Delivery system is designed to deliver therapeutic devices for congenital heart disease. There are two types of delivery systems: Delivery System Via Chest Minimal Invasion and Delivery System Via Peripheral Vessel.

Features

Imported high quality PTFE tubing, smooth tubing wall, low resistance for delivery, makes it easy to reach target position. Reinforced tubing, anti-kink and flexible, provides bigger inner diameter.

Delivery System Via Peripheral Vessel

Composed by 5 parts--delivery sheath, dilator, loader, hemostasis valve and wire. According to the bending angle of delivery sheath, this kind of delivery system can be divided into two types--reinforced 45° and reinforced 180°. We provide 6 models for each of these two types. Detailed specifications please refer to below ordering information.

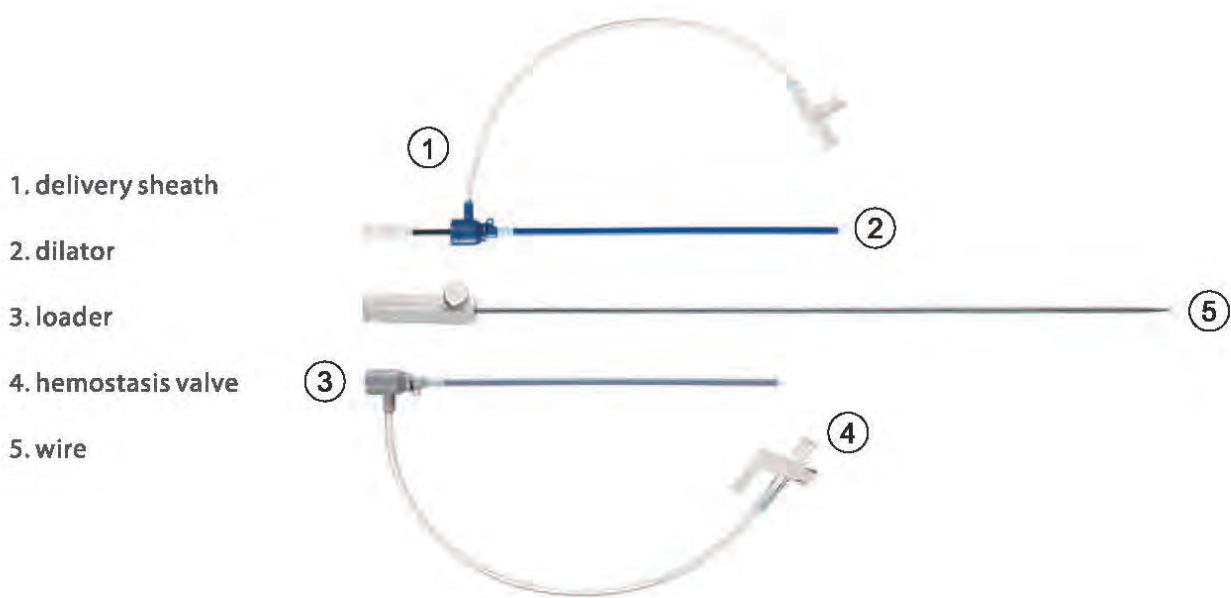


Ordering Information

ORDER NO.	ID(Delivery Sheath)	Bending Angle	Length(mm)	Indication
KW07F45	7F	45°	856	ASD
KW08F45	8F	45°	856	ASD
KW09F45	9F	45°	856	ASD
KW10F45	10F	45°	856	ASD
KW12F45	12F	45°	856	ASD
KW14F45	14F	45°	856	ASD
KW06F180	6F	180°	856	VSD/PDA
KW07F180	7F	180°	856	VSD/PDA
KW08F180	8F	180°	856	VSD/PDA
KW09F180	9F	180°	856	VSD/PDA
KW10F180	10F	180°	856	VSD/PDA
KW12F180	12F	180°	856	VSD/PDA

Delivery System For Occluders

Delivery System Via Chest Minimal Invasion
Composed by 5 parts—delivery sheath, dilator, loader, hemostasis valve and wire. We provide 5 models for this kind of delivery system. Detailed specifications please refer to below ordering information.



Ordering Information

Order No.	ID(Delivery Sheath)	Length(mm)	Indication
KW06F	6F	156	ASD/VSD/PDA
KW08F	8F	156	ASD/VSD/PDA
KW10F	10F	156	ASD/VSD/PDA
KW12F	12F	156	ASD/VSD/PDA
KW14F	14F	156	ASD/VSD/PDA

Tracheal Catheter

Designed to be inserted into the patient's trachea to build a temporary breathing channel when the patient cannot breathe and need a machine for help in the course of a clinical operation or care.

Unit: mm

WIRE REINFORCED		NON REINFORCED	
ORDER NO.	ID	ORDER NO.	ID
TC-2-R	2	TC-2	2
TC-2.5-R	2.5	TC-2.5	2.5
TC-3-R	3	TC-3	3
TC-3.5-R	3.5	TC-3.5	3.5
TC-4-R	4	TC-4	4
TC-4.5-R	4.5	TC-4.5	4.5
TC-5-R	5	TC-5	5
TC-5.5-R	5.5	TC-5.5	5.5
TC-6-R	6	TC-6	6
TC-6.5-R	6.5	TC-6.5	6.5
TC-7-R	7	TC-7	7
TC-7.5-R	7.5	TC-7.5	7.5
TC-8-R	8	TC-8	8
TC-8.5-R	8.5	TC-8.5	8.5
TC-9-R	9	TC-9	9
TC-9.5-R	9.5	TC-9.5	9.5
TC-10-R	10	TC-10	10
TC-10.5-R	10.5	TC-10.5	10.5
TC-11-R	11	TC-11	11

Features:

- Non-reinforce / wire reinforce
- Kink resistant
- Smooth surface and thin wall.
- Less trauma to trachea, excellent ventilation performance.



THUNDERBIRD® • PURE™ Polypropylene Hernia Mesh



Lightning Perfect Speed Repair



Indication

Polypropylene Hernia Mesh is applicable for herniorrhaphy from outside the abdominal cavity, such as for inguinal hernia, abdominal wall incisional hernia, parastomal hernia, umbilical hernia and femoral hernia.

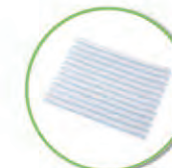
Product Feature

- Made of classical 2nd generation light-weight polypropylene material. Its safety and effectiveness have been verified by long-term clinical evaluation.
- Low density, light weight, single-stand woven, large pore size and high porosity. It has the best performance among similar products.
- A complete range of sizes available, which provide comprehensive solutions for clinical demand.

THUNDERBIRD® • PURE™ Polypropylene Hernia Mesh CFDA approved



Ordering information



Patch

Specification: Square shape, Rectangle shape, Orbicular shape, Oval shape, Semi-oval shape, Sailboard shape



Pre-patch

Specification: Orbicular shape, Central Semi-oval shape, Eccentric Semi-oval shape, Eccentric sailboard shape, Sailboard shape with lateral pores, Annular shape, Irregular Shape



Hernia Ring Filling Patch

Specification: Petal shape and Pre-patch



Preperitoneal Hernia Device

Specification: Double-layered, Double-layered and Pre-patch



Preperitoneal Hernia Repair Device

Specification: Disc-shaped, Disc-shaped and Pre-patch



3D Stereo Repair Device

Specification: Left abdomen surface, Right abdomen surface