



The Bridge to Good Health Care

GENERAL HOSPITAL CARE



- / Neoshield
- / Winfusion
- / Non-woven surgical gown
- / IV Administration
- / Infusion / Syringe Pump
- / Transfusion Therapy

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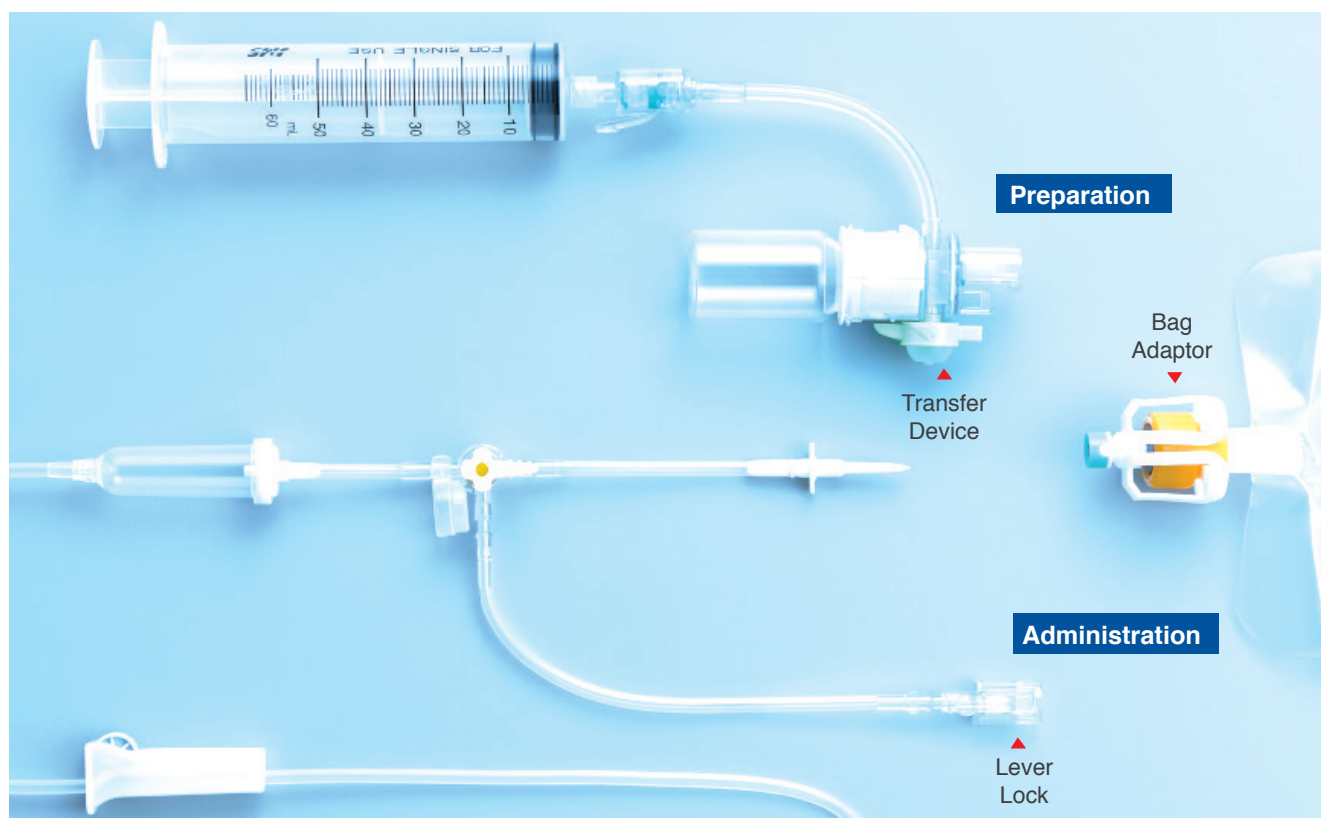
PRODUCT HIGHLIGHTS

NEOSHIELD Closed System Drug Transfer Device

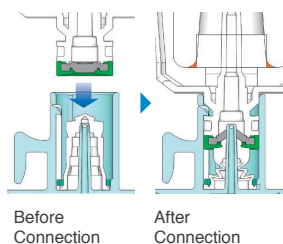
- Simple design provides safe, efficient preparation and administration of hazardous drug
- Simple “click” connections for easy handling
- Risk of exposure to hazardous drugs during mixing and administration is reduced
- The connection technology provides a “double-layer” of protection to create closed condition
- Replacement of solution bag for hazardous drugs can also be done under closed condition



/ NEOSHIELD SYSTEM

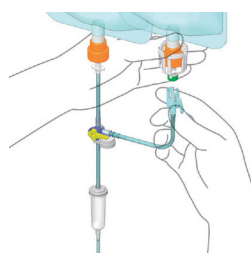


- 1 The connection technology of the JMS NEOSHIELD system provides a “double-layer” of protection. Preparation is done within a closed system.



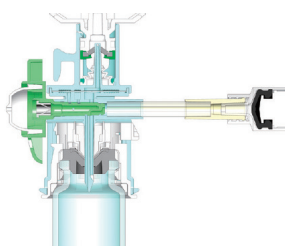
♥ Safe Design
+ Easy Handling

- 2 There is only one connection point to the system. Solution bag can be replaced safely without use of a needle.



↻ High Efficiency
♥ Safe Design
+ Easy Handling

- 3 Innovative mechanism equalises pressure inside the vial and keeps environmental hazards contained within the system.

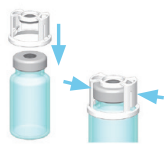


♥ Safe Design
+ Easy Handling

/ PROCEDURE OF NEOSHIELD SYSTEM

Preparation

Vial cover



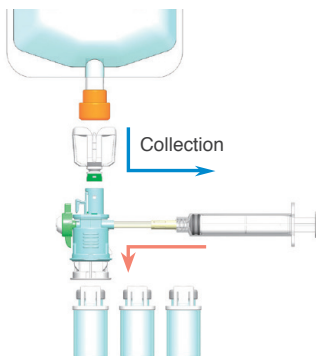
Bag adaptor



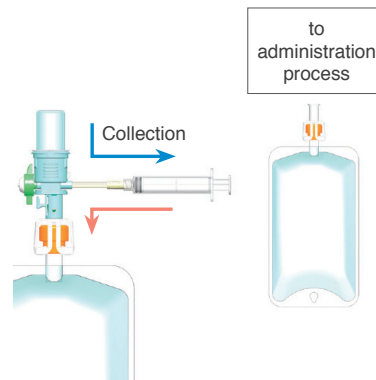
Transfer



Connect each device before preparation.



Collect solution for dilution into syringe and inject to the vial for mixing.

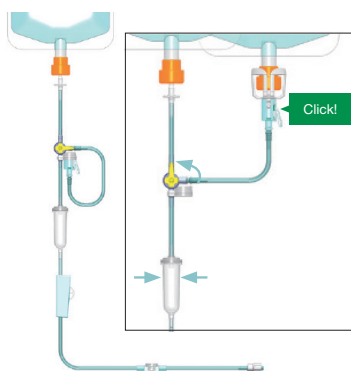


Collect diluted medicine and inject into solution bag. Protect the solution bag with a cap and send for administration.

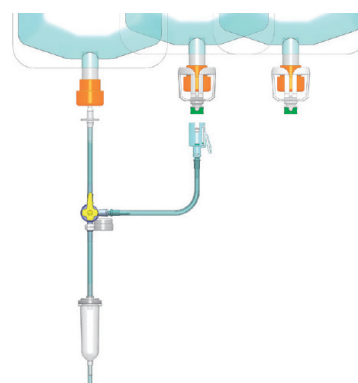
Administration



Prime the NEOSHIELD IV set.



Connect the prepared solution bag with the lever lock. Use the three-way stopcock to switch channels. Prime by pressing the drip chamber.



If additional solution bags are required, simply attach with the lever lock.

/ NEOSHIELD SYSTEM



NEOSHIELD Transfer device (DEHP free)

DEHP free



NEOSHIELD Plug



NEOSHIELD Bag adaptor



NEOSHIELD Lever lock



NEOSHIELD Vial cover



NEOSHIELD IV set

DEHP free

/ NEOSHIELD

Basic System for Drug Compounding

Outstanding **Septum Closure**

Adjustable Spike for
Various Vials (13-22mm & 32mm)

Simple Design Supports
Efficient Workflow



/ SAFE, EASY & EFFICIENT

Way of Preparing Antineoplastic Drugs
Vial Spike Designed for Multi-size Drug Vials

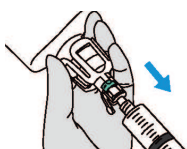
Procedure (Compounding of Drug with Diluent)

1 Connect



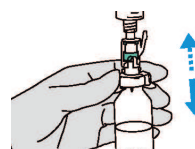
Insert vial spike into septum of vial. Ensure latches are catching the vial properly.

2 Diluent Withdrawal



Connect Lever Lock to syringe. Connect it to the diluent and withdraw diluent into the syringe.

3 Inject Diluent



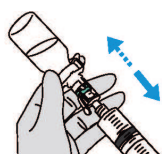
Connect the Lever Lock of syringe to Vial Spike. Inject diluent into drug vial by negative pressure technique (withdraw and release diluent into vial).

4 Air Adjustment



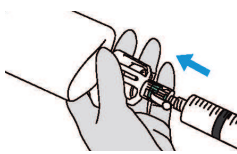
Adjust the amount of air in the syringe to the volume of drug to be used by removing/adding air in the diluent bottle.

5 Withdrawing Drug



Withdraw the drug by pulling the plunger slowly and allow the drug to be collected in the syringe under negative pressure.

6 Dilution



Inject the drug into the diluent bottle and mix properly.

Product Line-up



Vial Spike

Packing: 200ea per carton

Vial Spike (32mm)

Packing: 250ea per carton

Lever Lock

Packing: 200ea per carton

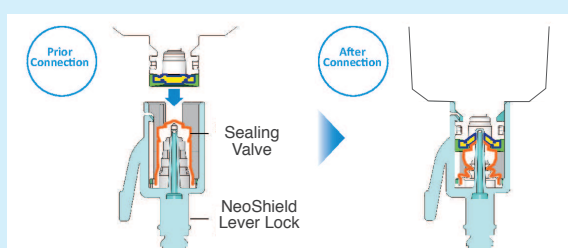
Bag Adaptor

Packing: 250ea per carton

Bag Adaptor- ISO

Packing: 250ea per carton

Key Point: Closed Mechanism of Lever Lock



The tip of connection is protected from exposure to environment by the sealing valve. The closed system is maintained during connection and after disengagement.

/ Non-woven Surgical Gowns

Delivering Quality Care & Assurance

When High Performance & High Protection matters.

Our Quality Standards for surgical gowns are guided by:

- American Society for Testing and Materials (ASTM) F2407
- American National Standards Institute (ANSI)
- Association of the Advancement of Medical Instrumentation (AAMI)
- European standard EN 13795



/ TABLE SUMMARISING THE ANSI/AAMI PB70 STANDARD RECOGNISED BY THE FDA.

AAMI	Description	Applicability
2	- Used in LOW risk situations - Provides a barrier to larger amounts of fluid penetration through splatter and some fluid exposure through soaking - Two tests are conducted to assess barrier protection performance: - Water impacting the surface of the gown material - Pressurising the material	Blood draw from a vein, Suturing, Intensive care unit, Pathology lab [MINOR PROCEDURES]
3	- Used in MODERATE risk situations - Provides a barrier to larger amounts of fluid penetration through splatter and more fluid exposure through soaking than Level 2 - Two tests are conducted to test barrier protection performance: - Water impacting the surface of the gown material - Pressurising the material	Arterial blood draw, Inserting an IV, Emergency Room, Trauma [GENERAL SURGERIES]
4	- Used in HIGH risk situations - Prevents all fluid penetration for up to 1 hour - May prevent VIRUS penetration for up to 1 hour - In addition to the other tests conducted under levels 1-3, barrier level performance is tested containing a virus. If no virus is found at the end of the test, the gown passes.	Pathogen resistance, Infectious diseases (non-airborne), Large amounts of fluid exposure over long periods

AAMI Levels & JMS colour-codes


Minimum
Protection


Moderate
Protection


High
Protection

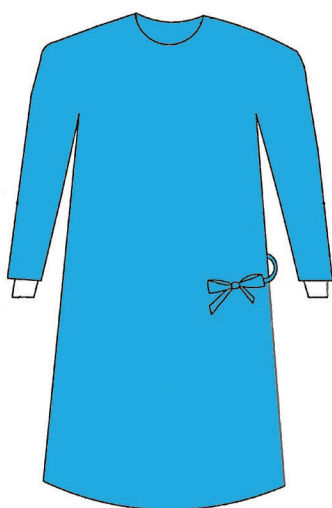


/ CHOOSING THE RIGHT PROTECTION

The selection and determination are often decided by the hospital OR internal policies. The Infection Control team together with OR management team may collaborate to come up with guidelines and protocol for surgical procedures in the OR. Often gowning procedures are included. In the absence of such guidelines, listed below are some suggestions for the selection of surgical gowns based on AAMI protection standards.

AAMI 2

Generally for minor and simple procedures. Sometimes used for dental surgeries too.



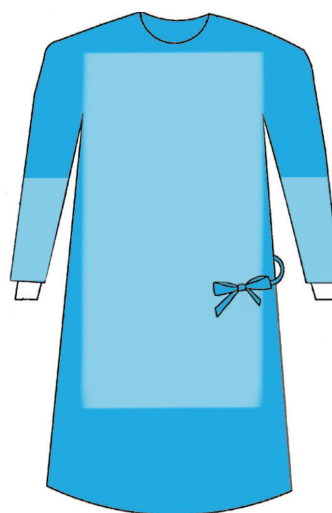
Standard Surgical Gowns

AAMI 3

For most general surgeries that are NOT long duration or involve a lot of fluid.

AAMI 4

For major surgeries taking long duration and involving much fluid, e.g. knee/hip replacement, cardiovascular, brain etc. Also involving infectious diseases such as hepatitis and HIV.



Reinforced Surgical Gowns

Size	S	M	L	XL	XXL	+ -
Length cm	120	120	130	130	140	2



Also read FDA website on surgical gowns. (20 Nov 2019)

<https://www.fda.gov/medical-devices/personal-protective-equipment-infection-control/medical-gowns>

/ CHOOSING JMS SURGICAL GOWNS

What you can expect: _____

- Tear resistance
- Latex-free
- Fluid resistance
- Low linting
- Lightweight
- Ultrasonic seal for sleeve
- Knitted cuff for comfort
- Adjustable Velcro neck fastener
- Meet flammability standard
- Tested performance & quality
- Design for comfort
- Colour-coded according to protection levels

	Product Code	Size	Item Name	Packing
2	NWGS1001	S	Standard Surgical Gown AAMI2	1pc/sterile pouch, 50packs/Carton:
	NWGS1002	M		
	NWGS1003	L		
	NWGS1004	XL		
	NWGS1005	XXL		
3	NWGS2001	S	Standard Surgical Gown AAMI3	1pc/sterile pouch, 50packs/Carton:
	NWGS2002	M		
	NWGS2003	L		
	NWGS2004	XL		
	NWGS2005	XXL		
4	NWGS3001	S	Reinforced Surgical Gown AAMI4	1pc/sterile pouch, 50packs/Carton:
	NWGS3002	M		
	NWGS3003	L		
	NWGS3004	XL		
	NWGS3005	XXL		



Minimum Protection



Moderate Protection



High Protection

/ QUALITY OF CARE

Why choose disposable non-woven over reusable linens?

- Reduce exposure to biohazards during transportation & decontamination procedures.
- Better infection control & safer environment. Soiled gowns are immediately disposed in the biohazard bins
- Reduce linting. Critical in many surgical procedures, e.g. eye, neuro, cardio-vascular, transplantation, etc.
- Consistent quality standard and protection for OR staff. Linen gowns degrade over time, getting more porous or even develop pin-holes. Need intensive scrutiny to ensure the recycled linen gowns are in good condition.
- Sterile Supplies Dept can better focus on surgical instruments, high value items and highly customised packs.
- The real cost of linen gowns must be factored in – decontamination, washing, packing, sterilisation and inspection. Other incidentals cost include manpower, water, detergent, steriliser, electricity, risk of cross-infection etc.

How to choose reliable and consistent quality for the safety and care of healthcare workers and patients?

- Surgical gowns comply to AAMI and EN13795, which are adopted by international standards.
- Independent test to prove compliance.
- Track record for quality and reliability.



JMS brand Ultrasonic Seal

Surgical gowns are made of ultrasonic heat sealing.



Unbranded Needle Stitch

Needle increases the chance of liquid penetrating

PRODUCT HIGHLIGHTS

/ IP-100 INFUSION PUMP



Easy to use touch panel



Compact and lightweight design

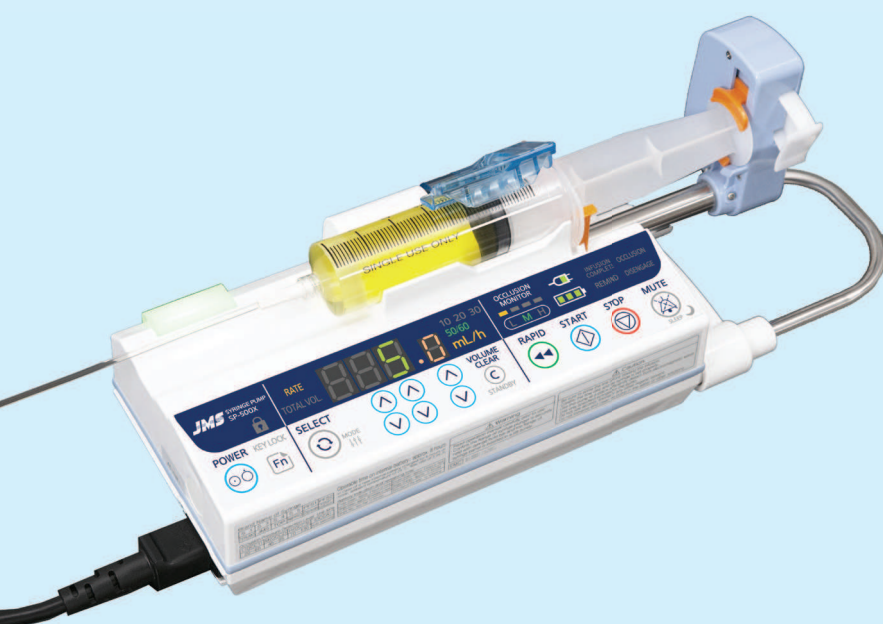


Wireless LAN



JY Mode

/ SP-500X SYRINGE PUMP



Compact and lightweight design



Extended battery life, reduced charging time



Night mode

PRODUCT HIGHLIGHTS

/ WinFusion

An Innovation In The Safety
Of IV Catheter

IV Catheter with
the unique design for

- Minimising the risk of needle-stick injury
- Blood exposure
- Hub contamination



/ UNIQUE DESIGN



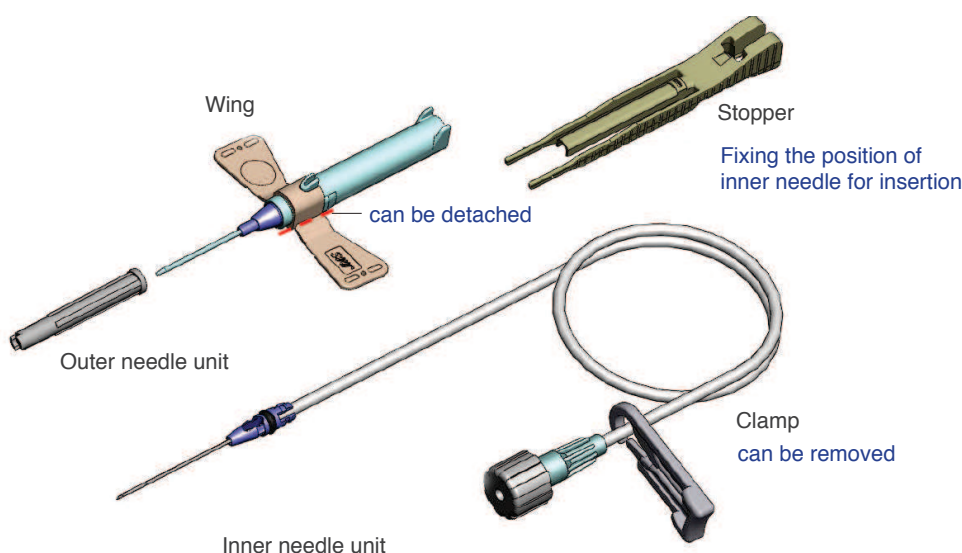
Tubing is integrated with the Catheter to create a closed system:

- Minimising the risk of Blood exposure
- Minimising the risk of Hub contamination

Needle never comes out. The needle is retained inside the Catheter body:

- No risk of needle-stick injury
- No need to dispose of the needle separately

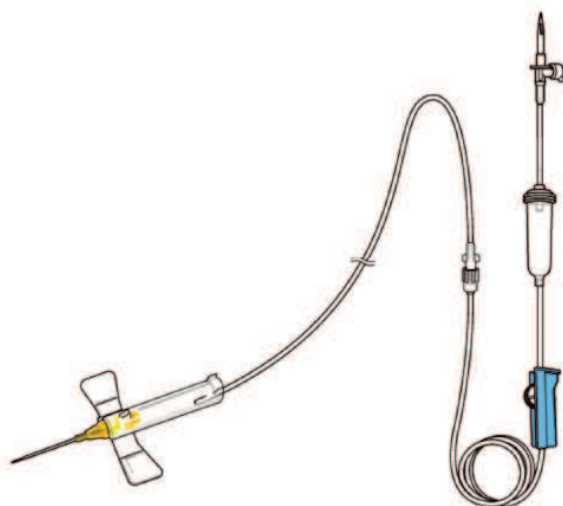
Components from Non-DEHP material



Simple set-up

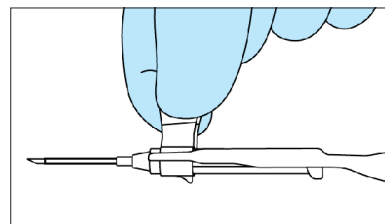
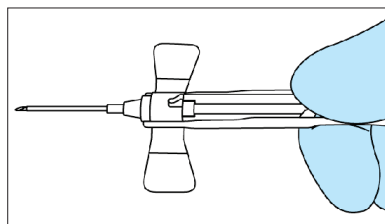
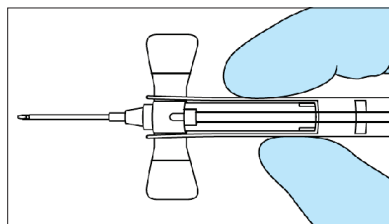
- 1 Connect Winfusion to IV Infusion set
- 2 Priming of set
- 3 Perform cannulation

Performing cannulation after being connected with IV set is the way to maximise the advantage of WinFusion to minimise the risk of Blood exposure and Hub contamination.

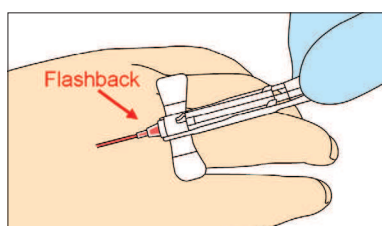


/ OPERATION PROCEDURE

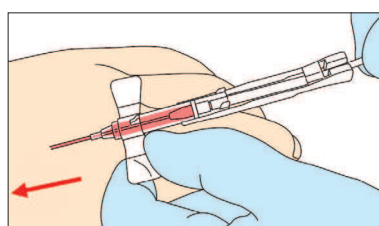
Three ways of Holding Position of WinFusion



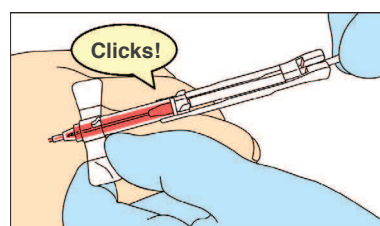
1 Venipuncture



2 Indwelling



3 Retraction



Product Configuration

Gauge	Length	Hub Colour	Packaging
20G	3 / 4" (19mm)	Pink	50 x 4 = 1 carton
22G	3 / 4" (19mm)	Blue	
24G	3 / 4" (19mm)	Yellow	

Priming Volume

	Gauge Size	Priming Volume (ml)
During insertion	20G	0.70 (0.62)
	22G	0.71 (0.63)
	24G	0.69 (0.61)
During use	20G	1.07 (0.99)
	22G	1.08 (1.00)
	24G	1.06 (0.98)

Tube length: 350mm () : minus 0.08ml as male Luer

- Choose Quality for Performance and Reliability
- Choose Safety for Nurses and Patients
- Choose the Right IV set for your Clinical Needs



/ IV ADMINISTRATION SETS

JMS has several decades of track record in manufacturing high-quality disposable IV administration sets. Based on our basic sets (Type 200 & 500), JMS has spun many different variations that are customised to the needs of hospital practice. From the basic IV sets shown below, JMS has designed and developed many different configurations to meet diverse clinical and safety needs.

Type 200 (Non-Vented)



- Designed to suit fluid replenishment using flexible bag, or with an attached air needle for semi-rigid containers or glass bottles

Type 500 (Vented)



- Designed to suit fluid replenishment using rigid containers as well as flexible bag
- Air inlet with a bacterial filter (0.15 μ m) attached to the drip chamber

/ IV ADMINISTRATION SETS

Pediatric

JMS manufactures IV administration sets for both Adult and Pediatric. For Pediatric sets, high precision standard is met by using fine stainless drip tip that creates smaller drops for accurate control of 60 drops/ml.

Another option is the Buret Infusion set. JMS Buret with clear graduation in 1ml allows precise solution volume setting and easy determination of volume infused. Useful in pediatric, ICU or operation room where precise infusion control is required. When solution is exhausted, integral float valve shuts off fluid pathway automatically to prevent air from entering into patient's vein.

Pediatric Infusion Set



- Non-Vented (Type 200) and Vented (Type 500) are available

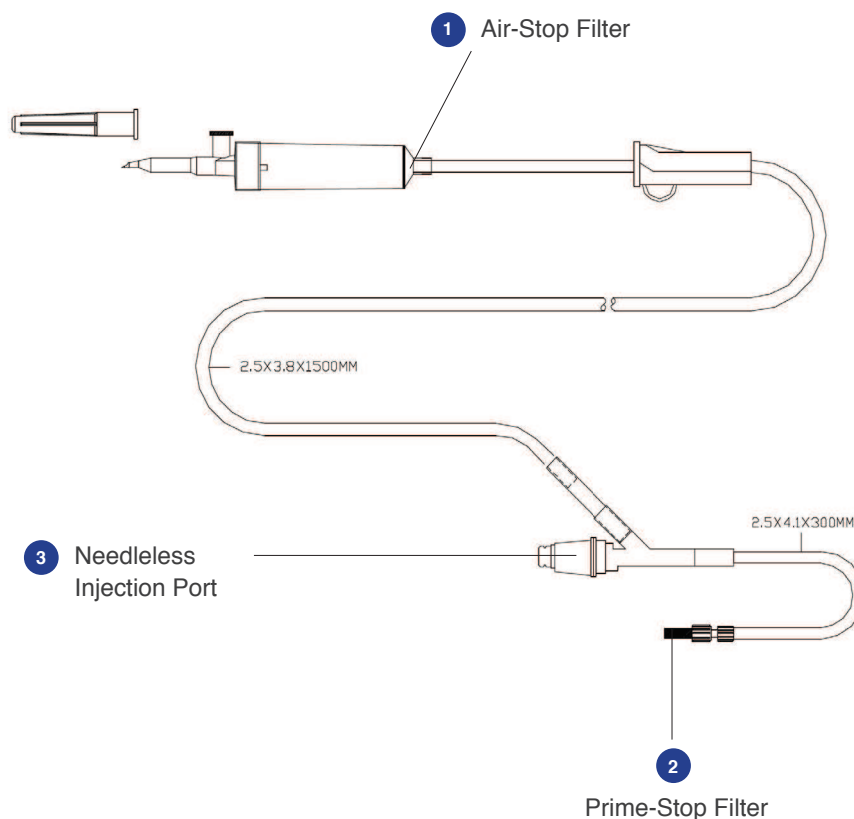
Buret Infusion Set



- Buret in 100ml, 150ml and 200ml are available with and without Auto-Shut off Float Valve

/ SAFETY IV SET & NEEDLELESS PORT

Infusion Safety Set



1 Air-Stop

JMS Safety Infusion Set is carefully designed to meet ISO requirements integrated with safe priming and improving efficiency for IV therapy. The carefully selected membrane is tasked to prevent air from passing through and limiting the risk of air embolism in patient. It also acts to prevent particulates from entering into patient's body. Thus, there is no risk of air infusion into the patient when infusion solution in the fluid container is emptied during IV therapy.

2 Prime-Stop Filter

The priming filter at the distal end on the Luer lock fitting is designed to prevent solution from passing through. This prevents solution leaking and protects it from contamination. Staff may attend to other work after setting up an IV set for priming with no risk of dripping solutions or drugs. The IV set does not need further attention until the priming is completed.

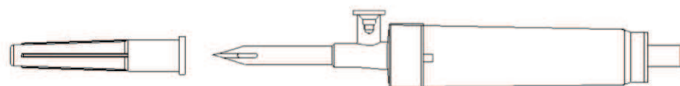
3 Needleless port

Needleless injection port provides a safe and efficient way of injecting drug or medication when necessary. The port can be conveniently accessed by a needleless syringe or other Luer connector in a leak-proof procedure. This reduces the risk of needle prick injury to the nurse. It is also latex-free, reducing the possibility of contamination from the external environment and support multiple injections throughout the IV therapy session.

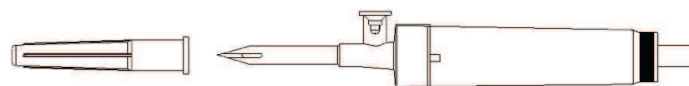
JMS Safety IV set helps prevent air infusion and infusion-related infection, reduces workload, saves time and costs.

/ VARIOUS IV SET COMPONENTS

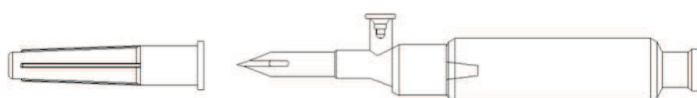
Range of bag / bottle spikes: _____



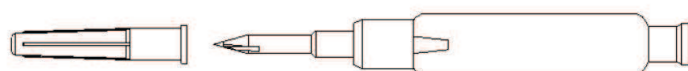
**Spike Cover Type 4 + 530SP +
IV Molded Chamber w/o Filter**



**Spike Cover Type 4 + 530SP +
IV Molded Chamber w/Filter**



**Spike Cover Type 4 + 580SP +
200DC**



**Spike Cover Type 4 + 240SP-
ISO + 200DC**



**Vented Cap + 1 Way Spike
Modified + IV Molded Chamber
w/Filter**

Range of connection & injection port:



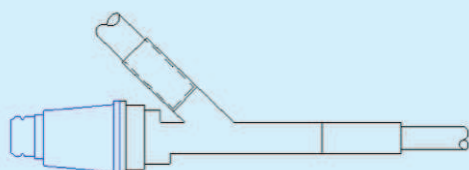
Swirl Lock w/Cover



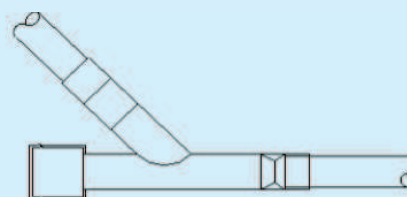
Male Luer Lock w/Cover



**Luer Tip + Luer Slip + Rubber
Tube**



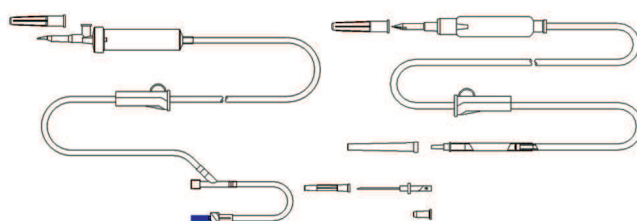
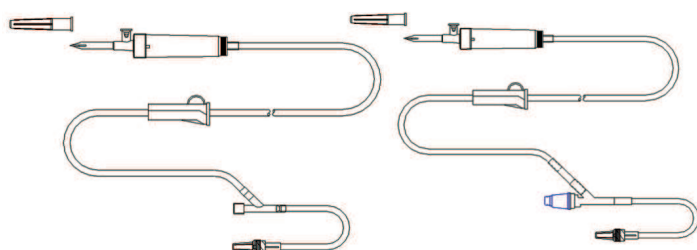
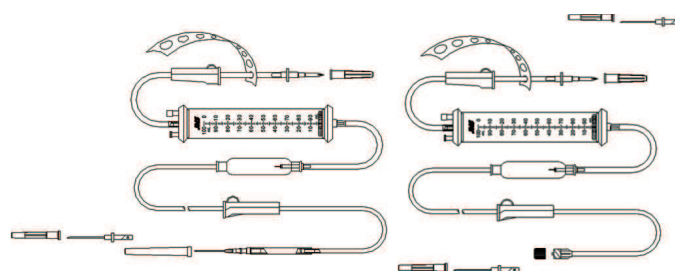
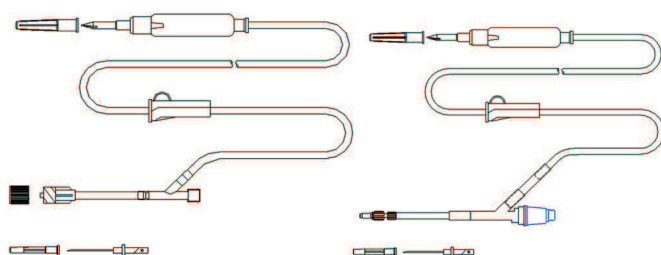
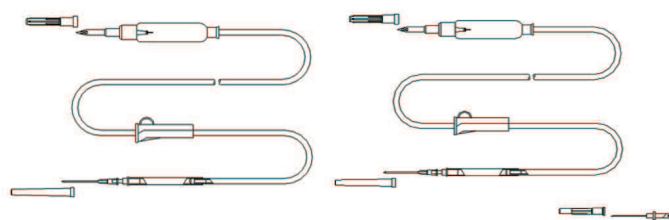
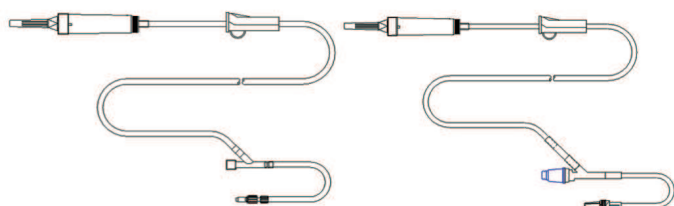
Needleless Y-Injection Site



Y-Injection Site

/ IV SET CONFIGURATIONS

Many possible configurations and customization can be designed according to hospital requirements



/ NON-DEHP IV SET



WHAT is DEHP?

Di-EthylHexyl Phthalate (DEHP) is a type of plasticiser. Plasticisers are additives used in the manufacturing of plastic-based products. Plasticisers make material like PVC softer, durable and more flexible. They are small molecules that can dissolve into liquids that come into contact with them. The most common plasticisers used for PVC are phthalates such as DEHP.

Health concern on DEHP

DEHP is present in the environment. However, some individuals can be exposed to high levels of DEHP through certain medical procedures. DEHP can leach out of plastic medical devices into solutions that come in contact with the plastic. The amount of DEHP that will leach out depends on the temperature, the lipid content of the liquid, and the duration of contact with the plastic. Seriously ill individuals often require more than one of these procedures, thus exposing them to even higher levels of DEHP.

Exposure to DEHP has produced a range of adverse effects in laboratory animals. It has been linked to a range of health problems, including male infertility and breast cancer. Low concentrations of DEHP are oestrogenic and have been found to increase breast cancer cell proliferation in tissue culture studies. In view of the available data, precautions are made to limit the exposure to DEHP.

DEHP has been included into European Registration, Evaluation, Authorisation and Restriction of Chemical (REACH) list as a substance of very high concern (SVHC). In some countries, declaration on DEHP is required on medical devices containing > 0.1% of total product weight and DEHP symbol  must be present on medical device packages.

NON-DEHP MEDICAL DEVICE BY JMS

JMS understand the safety concerns of using DEHP medical device in clinical practice. As such JMS is offering medical devices with non-DEHP material.



/ IV SET SPECIFICATIONS

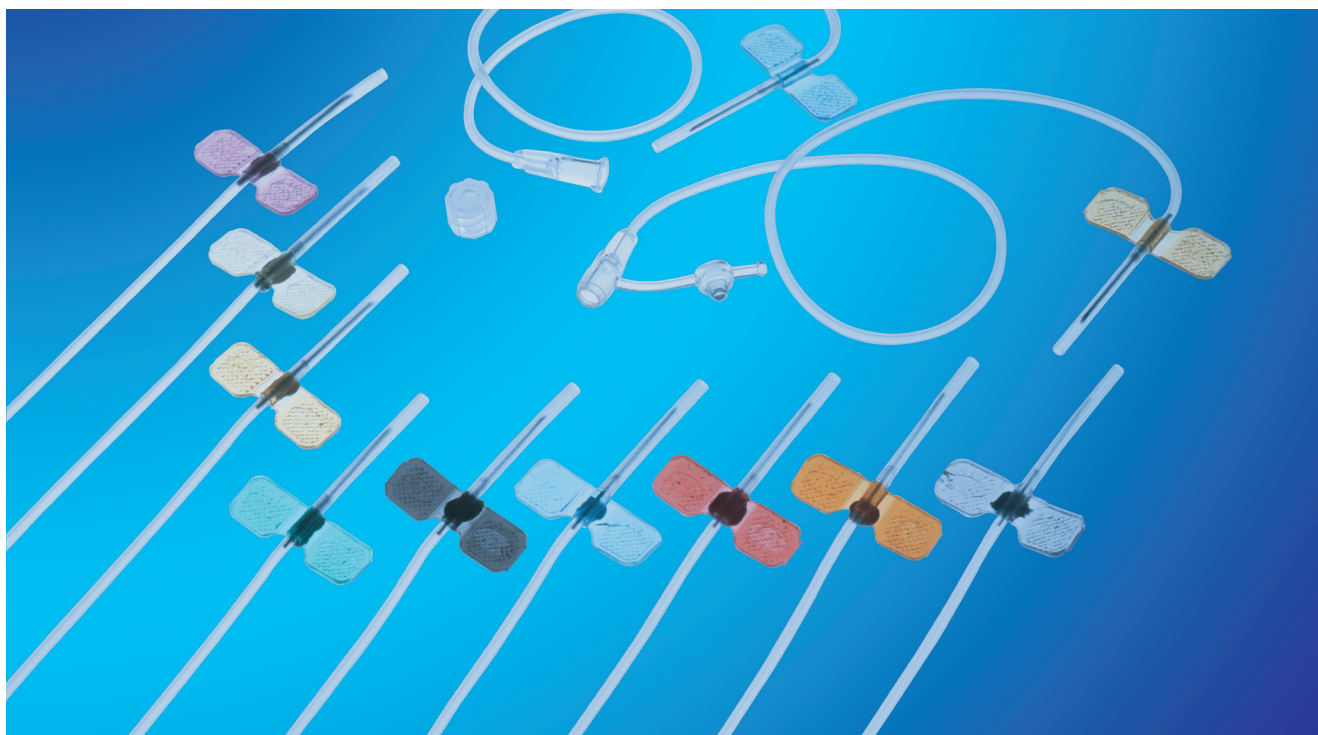
Description	Available Option	Remark
Tube Material	DEHP or non-DEHP, Light sensitive	
Vein Needle	Optional	21G and 23G (Ped)
Air Needle	Optional	Not needed for Type 500 (vented)
Injection Hub	Y-site Isoprene injection site or Needleless port	All are latex-free. May have more than 1 port
Fluid Filter	Optional	May be in drip chamber or distal tube
End Connections	Luer slip, Luer lock, Swirl lock	
Tube Length	1,500mm and above	ISO $\geq$ 1,500mm
Spike	Vented or non-vented	ISO or non-ISO
Buret	100ml, 150ml Optional float valve	
Safety Features	Optional Air-stop, Prime-stop	

International Quality Standards Compliance

- 1 Sterile pack – ETO Sterilisation : EN 550, ISO 11135
- 2 End connector is ISO compliance
- 3 Spike & drip chamber: ISO 8536-4

/ SCALP VEIN INFUSION AND BLOOD SAMPLING SYSTEM

/ SCALP VEIN INFUSION SET



- Super thin-wall needle provides larger inner diameter that enables sufficient flow and smooth infusion
- Perfect geometry of needle profile that is individually siliconised for sharpness and painless venipuncture
- Unique wing design for easy gripping and fixing on patient arm
- Optimum softness of Luer connector offers firm connection with Luer adaptor, 3-way stopcock, syringes etc.
- Luer-lock connector and intermittent configuration available.
- Soft Clear Flexible Tubing
- Medical grade PVC, kink resistant smooth flow and reliable connection
- Individually blister/tape packed using medical grade paper and plastic film
- Compliance to ISO 6009 standards using colour-codes for needle gauge size identification
- Sterile Pack – Ethylene oxide (ETO) sterilisation according to EN 550 and ISO 11135 standards

/ SAFETY SCALP VEIN

The function of the safety scalp vein set is to prevent medical staffs from injury due to accidental needle sticks.

Benefits of JMS Safety Wing

- Built-in integral safety sheath without bulk and obstructive attachment. Needle-point is encapsulated when retracted fully into the sheath body
- Eliminates the need to attach secondary safety accessories to the set
- Stopper design located at rear end of body is attached as a drip prevention function

SPECIFICATIONS			
GAUGE (O.D)	Needle Length	Wing Colour	Tube Length
21G (0.81mm)	3/4 (19mm)	Green	150-300mm
22G (0.71mm)0		Black	
23G (0.64mm)		Blue	
25G (0.51mm)		Orange	



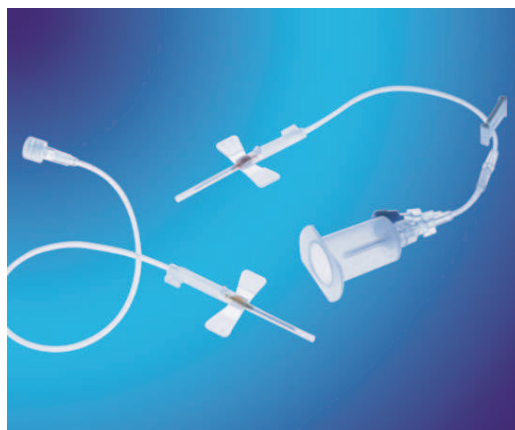
Sharp retracted into built-in integral sheath



Stopper at rear end to prevent drip

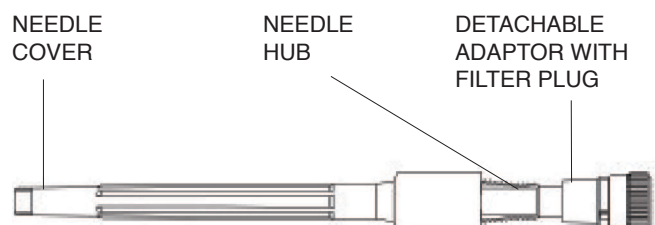
JMS Blood Collection System

- JMS safety products are designed in accordance with the OSHA pathogens standards
- Closed system sampling equipped with Luer adaptor and holder with synthetic rubber to avoid blood leakages when changing the vacuum tube during the blood aspiration
- Attachment with Planecta™ can be customised for arterial blood collection

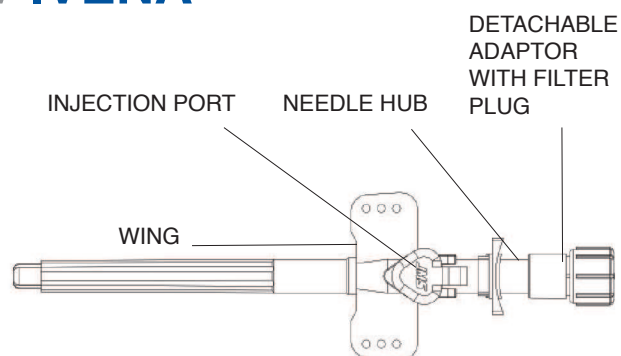


/ INTRAVENOUS CANNULA

/ IVIVA



/ IVENA



- JMS IV Cannula is designed to ensure convenient and comfortable infusion therapy
- The difference between IVIVA and IVENA is mainly on the absence of injection port and wing which are the main features of the IVENA design. IVIVA and IVENA are both equipped with a detachable adaptor to facilitate blood sampling
- The foldable wing of IVENA is specially designed for easy gripping and safe fixing
- Furthermore, the injection port with cap acts as a second access way for infusions.
- Catheter is made of FEP radiopaque material which provide visibility of the catheter under fluoroscopy or x-ray imaging
- Along with well-formed Catheter tip and siliconised Catheter tube, a smooth puncture and long hour comfort is assured

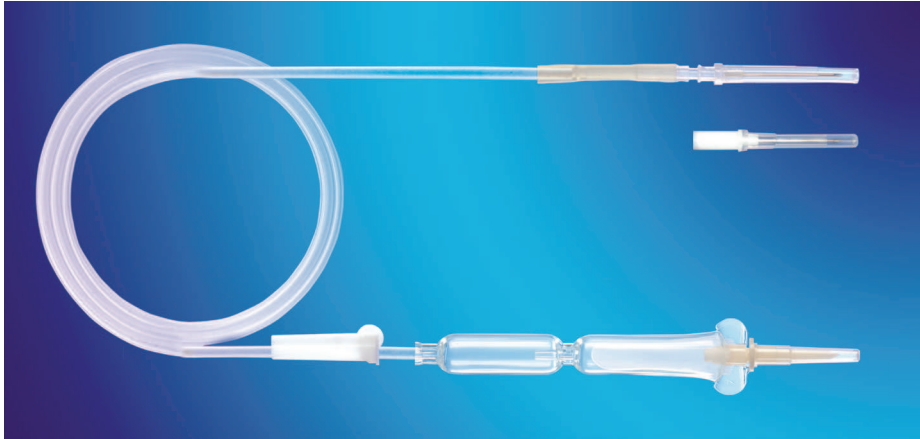
GAUGE SIZE	COLOUR CODE	O.D. (mm)	FLOW RATE (ml/min)	MATERIAL LENGTH (mm)	PACKING (inner/outer)
16G	Grey	1.7	200	45	50/500
18G	Green	1.3	90	45	50/500
20G	Pink	1.1	56	32	50/500
22G	Blue	0.9	36	25	50/500
24G	Yellow	0.7	23	19	50/500



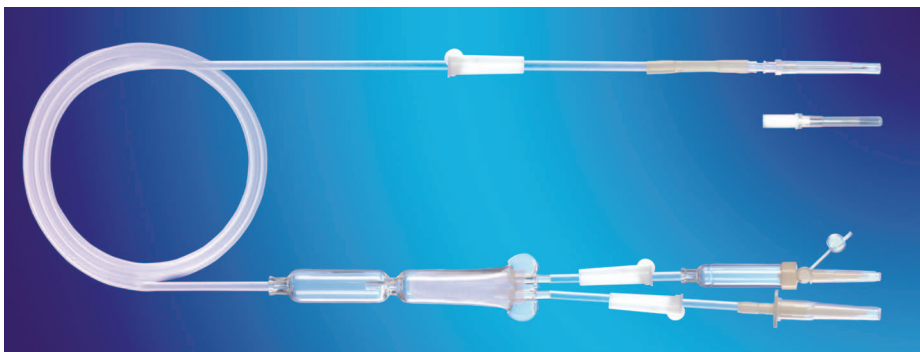
/ TRANSFUSION THERAPY

Delivery of blood and blood components to patients via intravenous
Transfusion set options: with or without needle route.

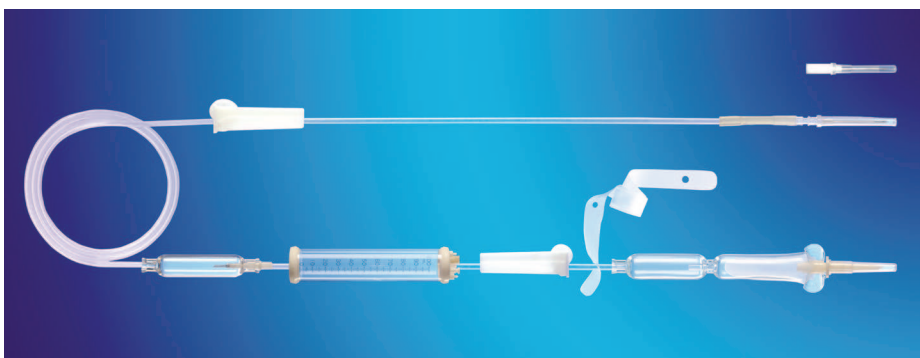
/ TRANSFUSION SET – TYPE 5



/ TRANSFUSION SET – TYPE Y



/ TRANSFUSION SET - BURET

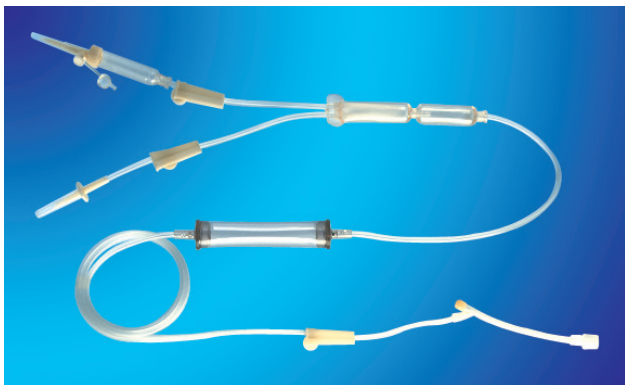


Benefits of JMS Double Drip Chamber



- The double drip chamber consists of the upper chamber with a blood filter and the lower chamber with a drip orifice.
- The configuration assures full utilisation of the filter of the upper chamber for better filtration and easy observation of drops at the lower chamber
- Large polyester mesh of filter pore (185 or 211 μ) is suspended in the upper drip chamber for smooth blood flow and maximum filtration of fibrin clots and other particulate debris

Transfusion Set Type Y with Pump



- Special pump set with one-way directional flow control
- Designed to fit hand profile, the pump is used for rapid blood transfusion by squeezing the chamber gently
- For emergency application where patient blood loss requires rapid blood transfusion instead of gravity set.

- ISO 1135-4 compliant spike, double drip chamber
- Accurate and regulated flow control over time
- ISO 594/1 & ISO594/2 compliant end-connection
- Injection site options
- Transparent hub for easy and quick observation of flash back
- Soft clear, flexible medical grade tubing – kink resistant for smooth transfusion therapy
- 18G vein needle with super thin wall for better flow rate and minimal patient discomfort.

/ EXTENSION TUBE

Line - Connections Extension Tubes



End - Connections Extension Tubes



- Designed for extending intravenous lines or attaching to transfusion set, syringe, syringe pump, three-way stopcock or accessories that require intermittent injection
- Mini Volume and Micro Volume extension tubes are available in different lengths from 10 to 200cm. The range of tube diameters to suit the required tube volume is from 0.2ml to 10ml.

Benefits of JMS Swirl Lock Connector

Luer Lock



Luer Slip



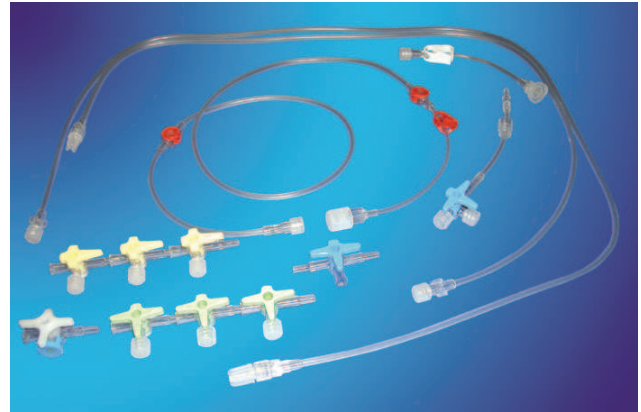
- The end connector can be switched interchangeably between a slip or lock type when swirling the free lock
- User-friendly design where a slide feature is incorporated to the male connector lock
- Eliminates the need to keep several types of extension or connecting lines

/ CONNECTING SET WITH 3-WAY STOPCOCK

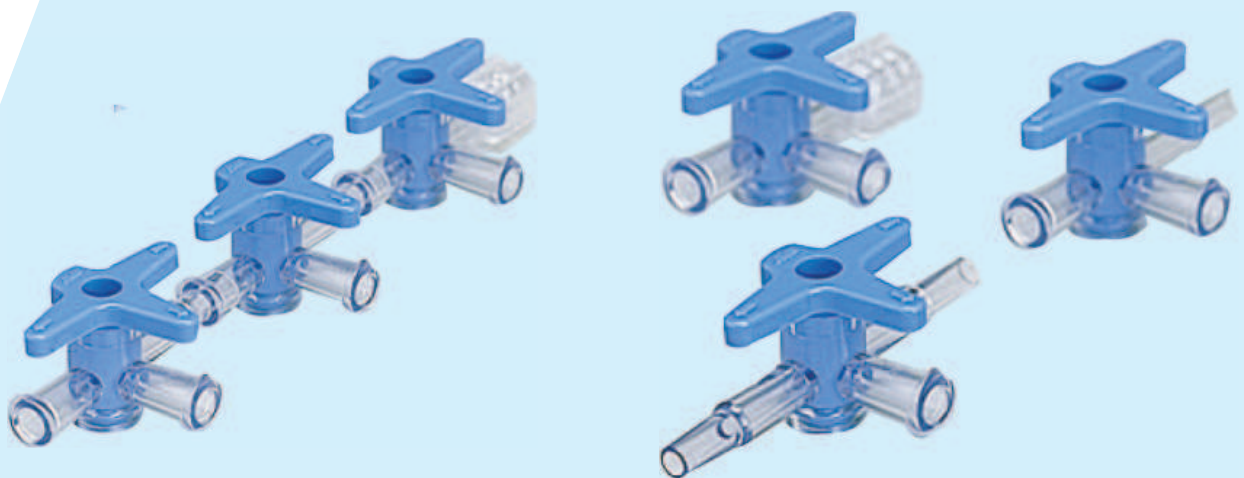
Stand-alone



Connecting Line



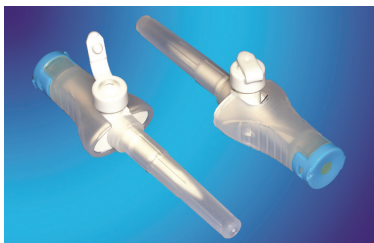
- Main structure is made of polycarbonate material for excellent strength and biocompatibility
- Transparent body enables quick detection and removal of any trapped bubble
- Full rotation (360 degrees) with clear arrow indication on the handle
- Available in various combinations of Luer connectors
- Free Lock enables easy and flexible multiple connections
- Port standard provides co-injection of other medication solution to main connecting line of patient
- Special set with a predefined channel flow pressure of 1 bar and 3 bar
- Customised line with 3-way stopcock, needleless port or stand-alone
- Sterile Pack – Ethylene oxide (ETO) sterilisation according to EN 550 and ISO 11135 standards



/ Planecta™ Infusion System

JMS Needleless and Closed System supporting safety infusion

- Protection from needle injuries
- Protection from imperfect seals and leakages
- Prevents infection route
- Prevents misconnection
- Closed system for universal application



Planecta™ Spike

Multiple evacuation spike for rigid plastic container and glass bottle (Vented)



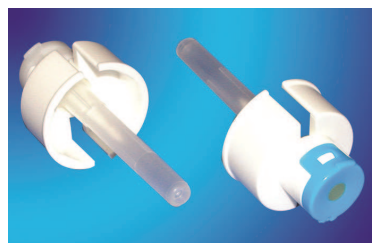
Planecta™ Triple Port

Three-way connection option for injection, infusion and aspiration



Planecta™ Port

Compatible Luer connectors for in-line connection between infusion circuits



Planecta™ Vial

Optimised for pierceable Vial of 20mm diameter



Planecta™ Adaptor

Safety Adaptor provides a continuous connection for infusion system over Planecta port (Luer Lock)

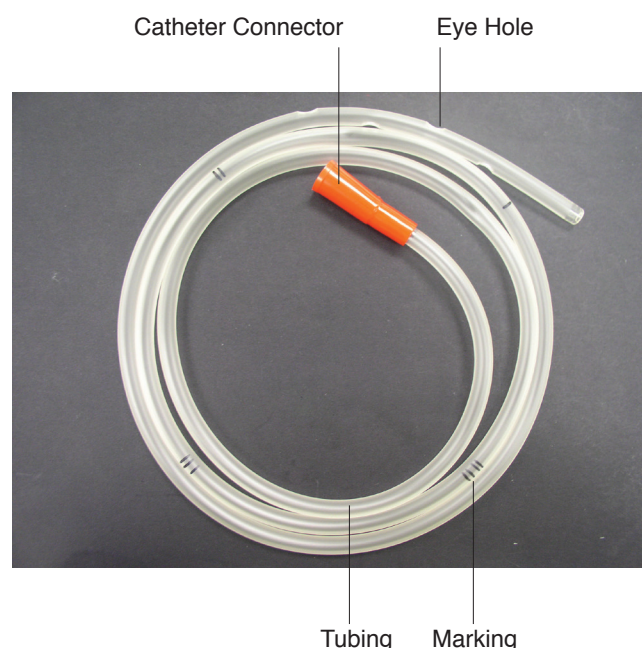


Planecta™ Single

For needleless & closed system infusion line.

/ OTHER MEDICAL DEVICES

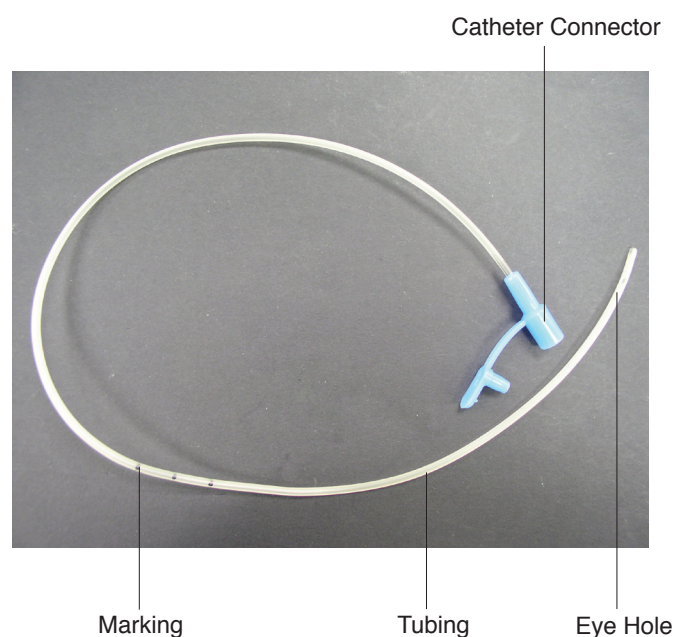
/ STOMACH TUBE



- Comprised of a flexible tube and a Catheter Connector with one or more Eye Holes.
- Connected to an enteral giving set where nutrient is transferred from a nutrient container to the gastro-intestinal tract.
- Provide an alternate route for food, fluids and medications when normal eating is impaired.
- Designed for nasogastric introduction for nutritional, and/or medication and aspiration of intestinal secretion.

French Size (Fr)	Tube Length (cm)
12Fr	120cm
14Fr	120cm
16Fr	120cm
18Fr	120cm
20Fr	120cm

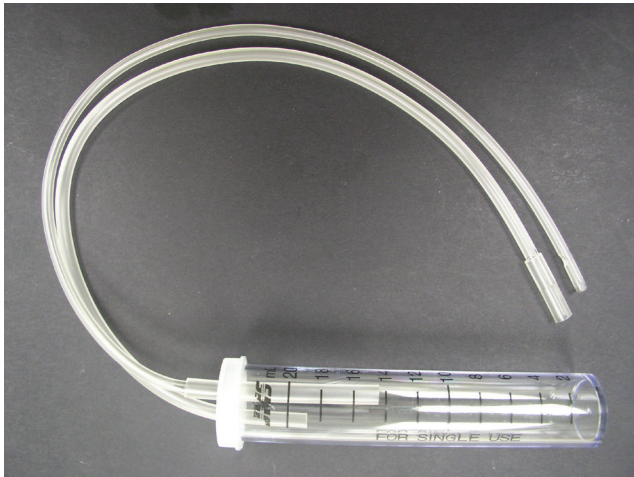
/ FEEDING TUBE



- Comprised of a flexible tube and a Catheter Connector with one or more Eye Holes.
- Connected to an enteral giving set where nutrients are transferred from a nutrient container to the gastro-intestinal tract.
- Provide an alternate route for food, fluids and medications when normal eating is impaired.
- Designed for neonatal and pediatric nutritional feeding.

French Size (Fr)	Tube Length (cm)	French Size (Fr)	Tube Length (cm)
4Fr	40cm	8Fr	40cm
5Fr	40cm	8Fr	120cm
5Fr	120cm	10Fr	120cm
6Fr	40cm	12Fr	120cm
6Fr	80cm		

/ MUCUS EXTRACTOR



- Comprised of a graduated transparent container with 2 flexible frosted tubes leading to it.
- One tube is open-ended with an eye hole for nasal insertion while another tube ends with a mouth-piece for suction purpose.
- Individually packed in sterile, tape pack. Single-use with short-term usage of not more than 30 days.
- Designed for aspiration of secretion from oropharynx in neonatal cases ensuring free respiration, or obtaining mucus specimen for microbiological examination.

/ DISPOSABLE SYRINGE



Chemical Resistant Material

Barrel and plunger of JMS disposable syringe are made of polypropylene, which has superior properties such as chemical resistance, heat resistance and less extraction. Gasket is also made of chemically inert material.

Smooth Plunger Action

Smooth treated inner surface of syringe barrel and gasket provides smooth plunger action and prevents leakage or air bubbling during drawing or injection.

Luer-Lock and Luer-Fitting Tips

Available with Luer-lock tip to eliminate needle separation or with Luer-fitting tip.

Wide Range of Sizes

Available with needles (1ml-20ml) and without needles (1ml-50ml). Moreover, syringes with needle have great variety for needle sizes. Correct size is available according to requirements.

DISPOSABLE SYRINGE WITHOUT NEEDLE		
NON-TOXIC, PYROGEN-FREE, STERILISED BY EO GAS		
1CC	SLIP TIP	BLISTER PACKING
3CC	SLIP TIP / LOCK TIP	BLISTER PACKING
5CC	SLIP TIP / LOCK TIP	BLISTER PACKING
10CC	SLIP TIP / LOCK TIP	BLISTER PACKING
20CC	SLIP TIP	BLISTER PACKING
30CC	SLIP TIP	BLISTER PACKING
50CC	SLIP TIP	BLISTER PACKING

100ml syringe is available upon request

DISPOSABLE SYRINGE WITH NEEDLE			
NON-TOXIC, PYROGEN-FREE, STERILISED BY EO GAS			
1CC	26G x 1 / 2"	SLIP TIP	BLISTER PACKING
3CC	23G x 1 / 4"	SLIP TIP / LOCK TIP	BLISTER PACKING
5CC	22G x 1 / 2"	SLIP TIP / LOCK TIP	BLISTER PACKING
10CC	21G x 1 / 2"	SLIP TIP / LOCK TIP	BLISTER PACKING
20CC	21G x 1 / 2"	SLIP TIP	BLISTER PACKING
30CC	21G x 1 / 2"	SLIP TIP	BLISTER PACKING
50CC	21G x 1 / 2"	SLIP TIP	BLISTER PACKING

/ GLOBAL MARKET LEADER

WITH WORLDWIDE DISTRIBUTION NETWORK

JMS Singapore is a global-oriented world class manufacturing plant, providing state-of-arts health care products in Blood Management, Infusion Therapy, Dialysis System, Equipment and Accessories.

JMS blend of optimal locality for Quality, Safety and Competitiveness with Central Research in Japan, Development and Production in Singapore and Batam.

JMS Manufacturing Plant in Singapore



JMS Manufacturing Plant in Batam, Indonesia



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