

# Sterile Compounding and IV Infusion Products







## About Us

Since 2008, we design the future of IV workflow with our proven history and passion for continuous development in high-tech solutions. We are capable to offer turn-key solutions to our partners in automated pharmacy compounding and IV infusion fields, thanks to our advanced and dynamic manufacturing infrastructure and comprehensive portfolio.

We listen to you, understand your needs, and combine customer feedback with our cutting-edge technology to ensure clinical efficiency, patient & practitioner safety, and also environmental sustainability.

# Quality Policy



We manufacture all of our products in full compliance with international quality standards and apply an uncompromising quality policy. Our facility is certified according to ISO 13485:2016 and ISO 9001:2015 quality management systems. Our medical devices are manufactured in compliance with EU Medical Device Regulation and are audited by notified body.



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## IV Solution / Pharmacy Compounding Products

Thanks to our demonstrated history and continuous customer feedback in this specific field, we design innovative automation systems and safe disposables to provide an ideal compounding process for the benefit of your patients, operator and the environment.

We understand your needs and committed to help you overcome the difficulties in aseptic services with our wide range of solutions for hazardous and non-hazardous CSPs (TPN, IV Chemo and others) and to improve your workflow.



# Multi-Ingredient / TPN Compounding Solutions

· Automated TPN Compounding System



Compounding of parenteral nutrition and similar multi-ingredient compounding is one of the most complicated and risky processes in the field of sterile drug preparation. KS-240, with its superior technological features, provides an ideal workflow in this critical area, ensuring high efficiency and patient safety.

## Key Features

- Able to fill up to 24 different ingredients
- Very low volume of fluid transfer (min. 0.2 ml)
- Fast fluid transfer (max. 1400 ml/min)
- Built-in air bubble and occlusion sensors
- Audial and visual alerts
- Prevention of incompatible ingredient transfer
- Compact countertop design with a small footprint
- 12.1 inch touch screen with modern interface
- Source container and inlet labels with distinctive colors
- Wireless barcode verification and detailed reporting

(For more detailed information, you can visit [www.kapsamsaglik.com.tr](http://www.kapsamsaglik.com.tr) or review the related product catalogue.)

# Multi-Ingredient / TPN Compounding Solutions

## • Order Entry and Calculation Software



NutriSoft helps clinicians simplify and optimize the complex and time consuming TPN order entry and calculation process. Advanced integration, calculation, alerting and labeling features prevent drug incompatibility risks and prescribing errors.

### Key Features

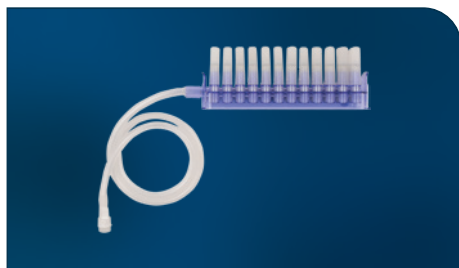
- Bidirectional interfacing with KS-240 ACD
- Communication with ACDs via .PAT formula file
- Integration with HIS/EHR through HL7, JSON or XML
- Single/multiple network user access
- Advanced searching and filtering tools
- Auto-calculation of ordered amounts
- Nutritional and ion-based assessment and summary
- Hard/soft stop based warning limits
- Customized order templates for each patient type
- Multiple ordering methods (/kg, /ml, %, etc.)
- Cyclic and standard infusion modes
- Batch production option
- Ion and salt-based ordering
- 2-in-1 and 3-in-1 based ordering
- Ca/PO4 precipitation risk assessment
- Pharmacist check and approval tool
- Authorisation levels for each user type
- Custom-designed pre/final bag labels
- Advanced reporting tools
- Tracking all user events with detailed LOG records
- Auto and user-defined database backup
- 24/7 remote clinical and technical support capability

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# Multi-Ingredient / TPN Compounding Solutions

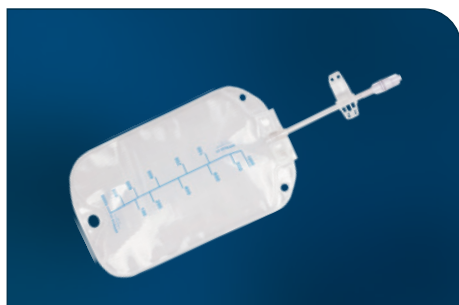
## • Consumables



### TPN Compounder Multiple Fluid Transfer Set Valve Set

- Used for combining all transfer inlets of TPN compounder and providing liquid transfer from transfer inlets through final container.
- Compatible with Kapsam KS-240 and Baxa/Baxter ExactaMix devices.

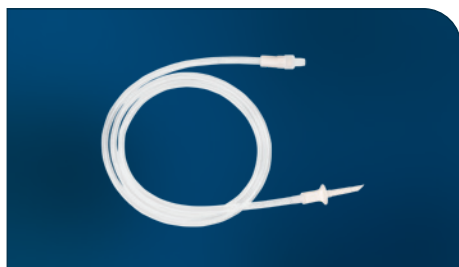
| Product Code | Connection Type | Tubing Type         | Prime Volume | Total Port Number | Qty/Box |
|--------------|-----------------|---------------------|--------------|-------------------|---------|
| KS-124       | Big-bore MLL    | Transparent Silicon | 30 ml        | 24                | 10      |



### TPN Compounder Calibration/Flushing Eva Bags

- EVA (ethylene vinyl acetate) material.
- Used during compounder set-up process in order the waste liquids to be disposed into a container.
- Transparent type allows the solution to be checked visually.
- Available in 1000ml and 2000ml sizes.
- Included inside valve set box in single sterile package.
- Compatible with Kapsam KS-240 and Baxa/Baxter ExactaMix devices.

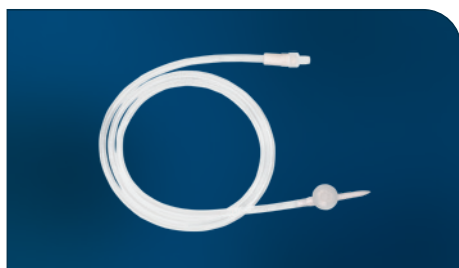
| Product Code | Capacity | Connection Type                              | Main Material   | Qty/Box |
|--------------|----------|--|-----------------|---------|
| KS-124CB     | 1000 ml  | Big-bore FLL port with a non-reopening clamp | Transparent EVA | 10      |
| KS-224CB     | 2000 ml  |  |                 |         |



### TPN Compounder Non-Vented Inlet High-Volume

- Provides a safe non-vented fluid transfer from large-volume source containers such as collapsible bags or vented bottles.
- Compatible with Kapsam KS-240 and Baxa/Baxter ExactaMix devices.

| Product Code | Connection Type                         | Tubing Type     | Prime Volume | Qty/Box |
|--------------|---|-----------------|--------------|---------|
| KS-125       | One-way Macro Spike – Push-on Connector | Transparent PVC | 20 ml        | 50      |



### TPN Compounder Vented Inlet High-Volume

- Provides a safe vented fluid transfer from large-volume source containers such as non-vented glass bottles.
- Compatible with Kapsam KS-240 and Baxa/Baxter ExactaMix devices.

| Product Code | Connection Type                          | Tubing Type     | Prime Volume | Qty/Box |
|--------------|--|-----------------|--------------|---------|
| KS-126       | Dual-way Macro Spike – Push-on Connector | Transparent PVC | 20 ml        | 50      |

# Multi-Ingredient / TPN Compounding Solutions

## • Consumables



### TPN Compounder Vented Inlet Low-Volume

- Provides a safe vented fluid transfer from micro-volume source containers such as vials. Can be used as non-vented if the ventilation cap is closed.
- Compatible with Kapsam KS-240 and Baxa/Baxter ExactaMix devices.

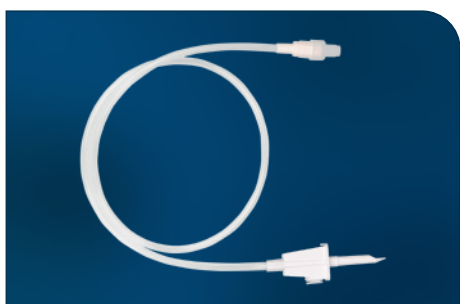
| Product Code | Connection Type                 | Tubing Type     | Prime Volume | Qty/Box |
|--------------|---------------------------------|-----------------|--------------|---------|
| KS-127       | Micro Spike – Push-on Connector | Transparent PVC | 3 ml         | 100     |



### TPN Compounder Syringe Inlet Low-Volume

- Provides a safe fluid transfer from syringe type source containers.
- Compatible with Kapsam KS-240 and Baxa/Baxter ExactaMix devices.

| Product Code | Connection Type                            | Tubing Type     | Prime Volume | Qty/Box |
|--------------|--|-----------------|--------------|---------|
| KS-128       | Female luer-lock (FLL) – Push-on Connector | Transparent PVC | 3 ml         | 100     |



### TPN Compounder Inlet with Large-Bore Spike Low-Volume

- Provides a safe micro-volume fluid transfer from large-volume source containers. It has a universal vented spike connector with a ventilation cap that allows vented/non-vented fluid transfer.
- Compatible with Kapsam KS-240 and Baxa/Baxter ExactaMix devices.

| Product Code | Connection Type                        | Tubing Type     | Prime Volume | Qty/Box |
|--------------|--|-----------------|--------------|---------|
| KS-129       | Vented Macro Spike – Push-on Connector | Transparent PVC | 3 ml         | 100     |



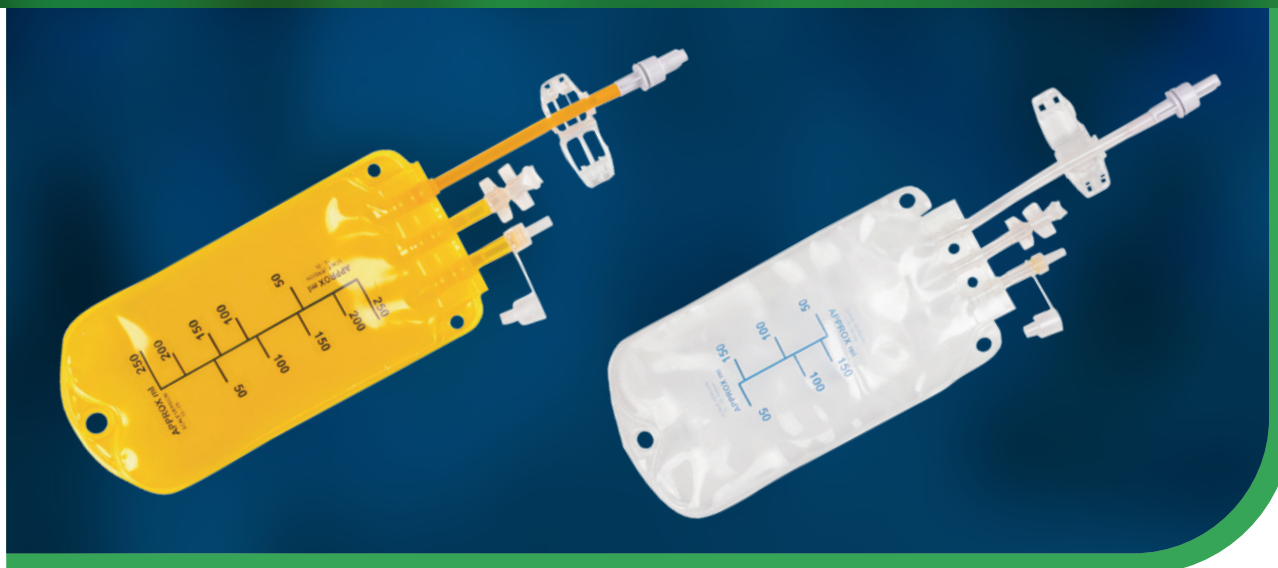
### 3-Way Gravity Filling Set

- Provides gravity fluid transfer from large-volume source containers with trifurcated inlet line and eliminates frequent fluid source changes. It has 90cm transparent large-bore (3.0mm x 4.1mm) DEHP-Free tubing, 3 dual-way macro spike connections with ventilation caps on one end and a big-bore male luer-lock connection on the opposite end for connecting with TPN EVA infusion bags.
- Both inlet lines have sliding clamp to stop fluid flow whenever needed.

| Product Code | Connection Type                        | Tubing Type              | Prime Volume | Qty/Box |
|--------------|--|--------------------------|--------------|---------|
| KS-130       | Big-bore Male Luer Lock – Vented Spike | Large Bore - Transparent | 29.8 ml      | 15      |

# Multi-Ingredient / TPN Compounding Solutions

## • Consumables



### EVA IV Infusion Bags for TPN Solutions

- Contains PVC-free EVA (ethylene vinyl acetate) material. DEHP and Latex free (including ports).
- Used for large-volume sterile solutions mixing and infusion to the patient.
- Includes three ports with non-reopening clamp and safety cap.
- Available in all standard sizes from 150 to 4000 mL.
- Transparent type allows the solution to be checked visually. Light-protected type ensures UV light protection up to 95% for light-sensitive ingredients such as vitamins, lipids and oncology medications.
- Dual-chamber type is used for transferring additional ingredients (such as lipids) into a separate container to extend the beyond-use date (BUD) of TPN solution.
- Compatible with automated compounding devices (e.g. Kapsam KS-240 and Baxa/Baxter ExactaMix) and gravity/manual filling.

| Product Code | Capacity   | Chamber Type           | Main Material     | Connection Type   | Qty/Box   |
|--------------|------------|------------------------|-------------------|---|---|
| KS-0015      | 150ml      | Transparent<br>EVA     | Single<br>Chamber | (1) Big-bore FLL port for automated/gravity filling<br>(compounding port) | 100   |
| KS-0025      | 250 ml     |                        |                   |   | 100   |
| KS-0050      | 500ml      |                        |                   |   | 100   |
| KS-0100      | 1000ml     |                        |                   |   | 100   |
| KS-0200      | 2000ml     |                        |                   |   | 50  |
| KS-0300      | 3000ml     |                        |                   |   | 50  |
| KS-0400      | 4000ml     |                        |                   |   | 50  |
| KS-1015      | 150ml      | Light-Protected<br>EVA | Single<br>Chamber | (1) Twist-off port for spike connection (infusion port)                   | 100   |
| KS-1025      | 250 ml     |                        |                   |   | 100   |
| KS-1050      | 500ml      |                        |                   |   | 100   |
| KS-1100      | 1000ml     |                        |                   |   | 100   |
| KS-1200      | 2000ml     |                        |                   |   | 50  |
| KS-1300      | 3000ml     |                        |                   |   | 50  |
| KS-1400      | 4000ml     |                        |                   |   | 50  |
| KS-0100DC    | 1000+250ml | Transparent<br>EVA     | Dual<br>Chamber   | (2) Big-bore FLL port for automated/gravity filling<br>(compounding port) | 100   |
| KS-0300DC    | 3000+500ml |                        |                   |   | 50  |
| KS-1100DC    | 1000+250ml | Light-Protected<br>EVA | Dual<br>Chamber   | (2) Twist-off port for spike connection (infusion port)                   | 100   |
| KS-1300DC    | 3000+500ml |                        |                   |   | (1) Injection port for manual additions (needle port) |

# IV Chemotherapy Compounding Solutions

## · Automated IV Chemotherapy Compounding System



## PharmaScope Onco

PharmaScope Onco KS-340 provides a cost-effective and innovative solution for patient safety in the IV chemotherapy drug compounding process, providing dose accuracy and protecting operators and the environment from the adverse effects of hazardous drugs. Automates the labelling, pre-filling, reconstituting, shaking, drug transferring and waste management processes of the hazardous sterile drug compounding workflow.

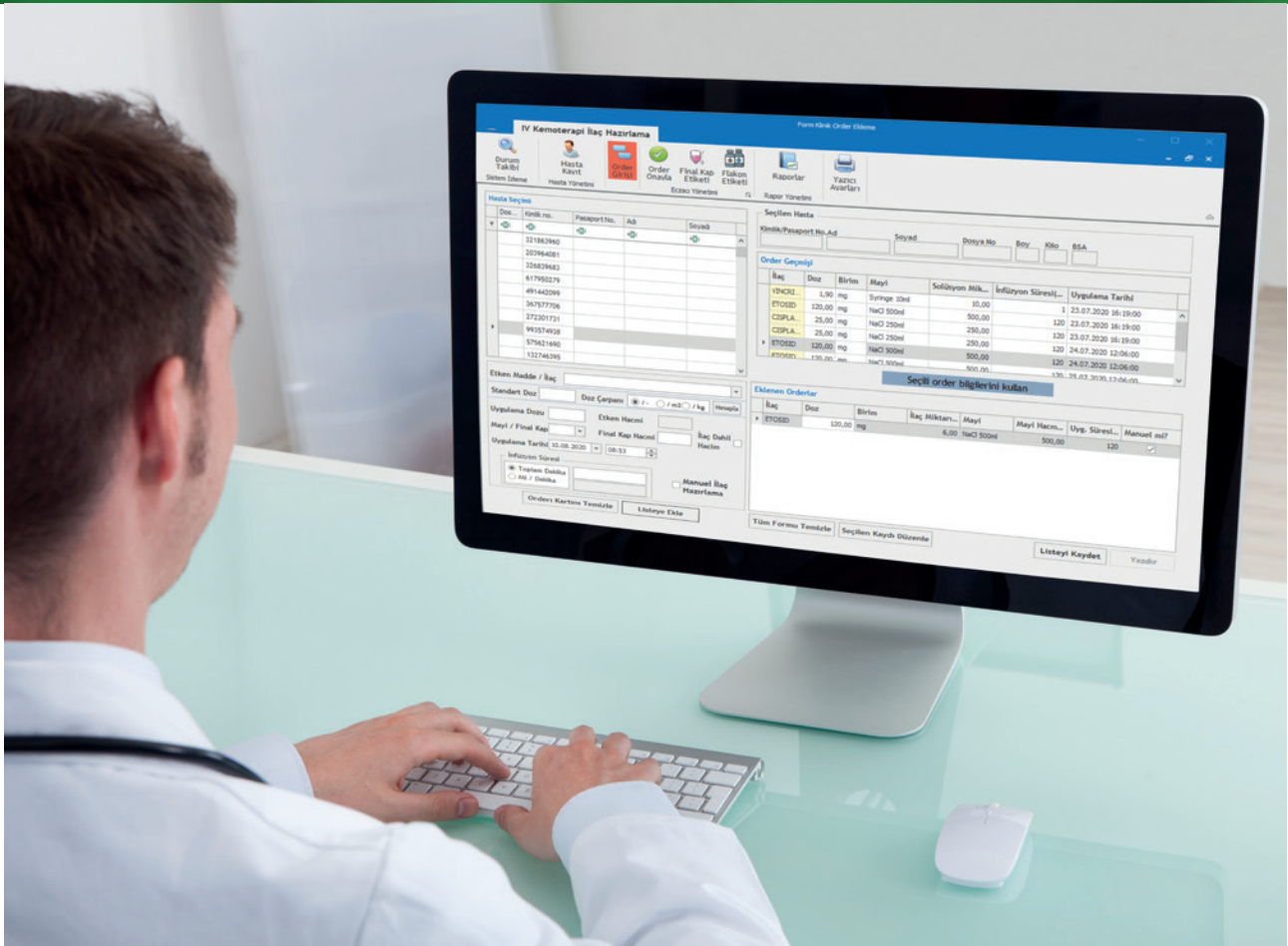
### Key Features

- Able to compound up to 40 containers per hour
- Overdose and missing drug prevention with real-time gravimetric control
- Barcode tracking specific to each vial and final container
- Benchtop (mobile) option for installing inside a BSC
- Closed system needle-free disposables
- Class II-B2 biosafety compliance with 100% air exhausting
- Drug wastage prevention through line sweeping, low prime volume sets and optimum use of half vials
- Dual-stage final container labeling, visual drug recognition and barcode verification features
- Automated waste management unit

(For more detailed information, you can visit [www.kapsamsaglik.com.tr](http://www.kapsamsaglik.com.tr) or review the related product catalogue.)

# IV Chemotherapy Compounding Solutions

- IV Chemotherapy Workflow Management Software



## PharmaScope SOFT

PharmaScope Soft helps clinicians and pharmacy staff to manage the IV chemotherapy workflow and to enhance medication safety, efficiency and traceability from ordering to administration process.

### Key Features

- Signing up patients and order prescribing/planning
- Auto-calculation of ordered amounts in different units
- Partially used drug priority and drug loss reduction
- Remote order check and approval tool for pharmacists
- Detailed searching and documentation tools
- Real-time vial and final container inventory review
- Real-time monitoring and reporting of compounding activities
- Assigning automated and manual compounding queues
- Step-by-step user guidance during compounding process
- Tracking all user events with detailed LOG records
- Unique 2D barcode printout for final containers and vials
- Custom-designed labels and reports per specific needs
- Authorisation levels for each user type
- Auto/manual database backup and restore options
- Integration with HIS/EHR through HL7 and other protocols
- Accessible from PharmaScope Onco device and any workstation/client

(For more detailed information, you can visit [www.kapsamsaglik.com.tr](http://www.kapsamsaglik.com.tr) or review the related product catalogue.)

# IV Chemotherapy Compounding Solutions

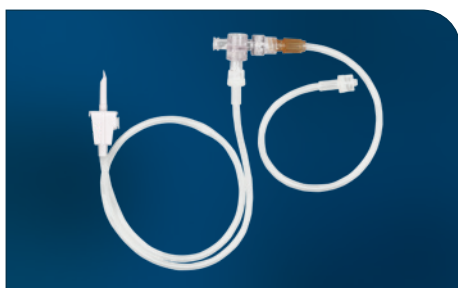
## · Consumables (Compounding)



### Drug Transfer Set for Peristaltic Pump

- Used in peristaltic pump drug compounding unit. It has integrated needle-free syringe adaptors on both ends and a stop-cock connector, to provide closed system drug transfer from a drug vial into a final container. It also has a special design for drug sweeping function to prevent residual drugs inside the fluid line.
- Compatible with Kapsam PharmaScope Onco KS-340 device.

| Product Code | Tubing Type                               | Qty/Box |
|--------------|---|---------|
| KS-134       | Large Bore – Light Protected              | 50      |
| KS-134D      | Dual Channel Large Bore – Light Protected | 50      |



### Drug Reconstitution Transfer Set

- Used in drug reconstitution unit. It has a vented macro spike connection on one end to be attached to a solvent source container and a male luer lock (MLL) connection on the opposite end to be connected to a target container (vial, bag, etc.). It is used with a 50ml luer-lock syringe.
- Compatible with Kapsam PharmaScope Onco KS-340 device.

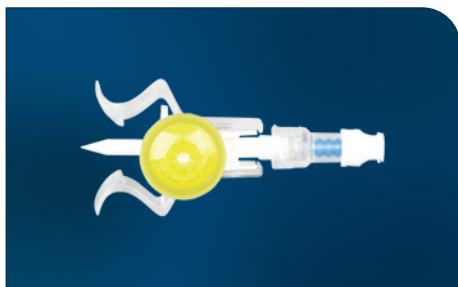
| Product Code | Tubing Type | Prime Volume | Qty/Box |
|--------------|-------------|--------------|---------|
| KS-135       | Large Bore  | 5.8 ml       | 50      |



### Low-Volume Drug Transfer Set

- Used in low-volume (syringe pump) drug compounding unit. It has integrated needle-free syringe adaptors on both ends to provide closed system drug transfer from a drug vial into a final container. It is used with a 3ml or 5ml luer-lock syringe.
- Compatible with Kapsam PharmaScope Onco KS-340 device.

| Product Code | Tubing Type                  | Prime Volume | Qty/Box |
|--------------|------------------------------|--------------|---------|
| KS-142       | Small Bore – Light Protected | 1.5 ml       | 100     |



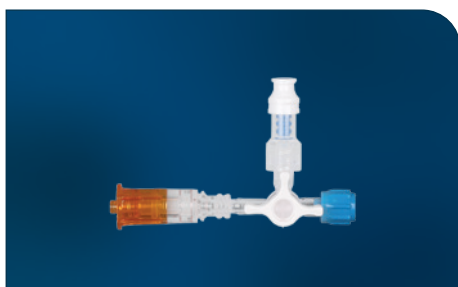
### Vial Adaptor 20-21 & 13-14mm

- Provides a closed system drug transfer from a 20-21mm or 13-14mm diameter drug vial into drug transfer line. It has a needle-free valve mechanism to avoid the risks of infection and toxic exposure during removal and a ventilation filter.
- Compatible with Kapsam PharmaScope Onco KS-340 device.

| Product Code | Compatible Vial Membrane Diameters | Prime Volume | Qty/Box |
|--------------|------------------------------------|--------------|---------|
| KS-137       | 20-21 mm                           | 0.2 ml       | 200     |
| KS-138       | 13-14 mm                           | 0.2 ml       | 200     |

# IV Chemotherapy Compounding Solutions

## · Consumables (IV Infusion)



### Syringe Adaptor with Stopcock

- Used as a connection adaptor of IV-push applications with syringes. It has a needle-free adaptor to be connected to drug transfer set, a female luer lock (FLL) connection to be connected to syringe type final container and a syringe adaptor to be connected to IV administration set.
- Compatible with Kapsam PharmaScope Onco KS-340 device.

| Product Code | Connection Type                             | Prime Volume | Qty/Box |
|--------------|---|--------------|---------|
| KS-267       | Male Luer Activated - Needle-free FLL - FLL | 0.15 ml      | 200     |



### IV Extension Lines with/without In-line Filter

- Provides a closed system connection between IV infusion bag and IV administration set. It has large-bore (3.0x4.1mm) light-protected DEHP-Free tubing with a needle-free Y-Connection port to transfer drugs into the final container.
- Filter integrated type provides 0.2-micron filtration of Paclitaxel or similar IV chemotherapy drugs.
- Compatible with Kapsam PharmaScope Onco KS-340.

| Product Code | Filter Type | Tubing Type                  | Tubing Diameter              | Prime Volume | Qty/Box |
|--------------|-------------|------------------------------|------------------------------|--------------|---------|
| KS-226       | -           | Large Bore – Light Protected | 3,0 mm - 4,1 mm<br>(IØ - OØ) | 2.2 ml       | 200     |
| KS-227       | 0.2-micron  |                              |                              | 4.2 ml       | 50      |



### EVA IV Infusion Bags for Chemotherapy Solutions

- PVC-free EVA (ethylene vinyl acetate) material. DEHP and Latex Free (including ports).
- Used for IV chemotherapy drug transfer and infusion to the patient. Includes three and two ports options with pinch clamp to stop fluid transfer. Available in 150ml, 250ml, 500ml and 1000ml sizes.
- Light-protected type ensures UV light protection up to 95% for light-sensitive ingredients oncology medications. Includes "CYTOTOXIC" warning sticker in each single sterile package.
- Compatible with automated compounding devices (e.g. Kapsam PharmaScope KS-340) and gravity/manual filling.

| Product Code | Capacity | Main Material          | Connection Type  | Qty/Box |
|--------------|----------|------------------------|--|---------|
| KS-381       | 150ml    | Light-Protected<br>EVA | (1) Injection port for manual additions (needle port)                              | 100     |
| KS-382       | 250ml    |                        | (1) FLL port for pump set connection (pre-filling port)                            |         |
| KS-383       | 500ml    |                        | (1) Twist-off port for extension set spike connection (infusion port)              |         |
| KS-384       | 1000ml   |                        |  |         |
| KS-281T      | 150ml    |                        | (1) FLL port for pump set connection (pre-filling & infusion port)                 |         |
| KS-282T      | 250ml    |                        |  |         |
| KS-283T      | 500ml    |                        | (1) Needle-free connector port for extension set MLL connection (Compounding port) |         |
| KS-284T      | 1000ml   |                        |  |         |

# Centralized IV Preparation (CIVA) Solutions

## • Fluid Dispensing Pump



## Pump-Rx

Pump-Rx KS-440 is a smart and compact fluid dispensing pump with a user-friendly touchscreen and advanced peristaltic pump technology to provide rapid, accurate and easy fluid transfer. Used for a wide range of pharmacy IV admixtures (CIVAs) applications such as reconstituting/filling drug vials, sterile syringes, infusion bags, elastomeric infusion pumps, cassettes and oral dispensers.

### Key Features

- 7-inch color touch-screen
- Intuitive user interface
- Easy-to-use setup & calibration menu
- Advanced real-time process monitoring
- Auto-priming function
- Digital Numpad
- Sleep-mode for energy saving
- Batch (serial filling) function with adjustable interval
- 45 adjustable filling volumes
- 30 pre-defined container volumes
- Continuous flow function
- Drawback function (adjustable between 0.1-9.9 mL)
- Forward/reverse flow direction
- Advanced peristaltic pump technology
- Ultimate repeatable accuracy
- 30 adjustable speed levels
- As low as 0.1 mL fluid dispensing
- Rapid filling up to 15 mL/sec
- Pop-up warning messages
- Audible warning (buzzer)
- Insufficient source warning with overflow/swap and level adjustment options

*(For more detailed information, you can visit [www.kapsamsaglik.com.tr](http://www.kapsamsaglik.com.tr) or review the related product catalogue.)*



# Centralized IV Preparation (CIVA) Solutions

· Vial Shaker Device



## Shake-Rx



Shake-Rx KS-540 is designed to accelerate the time-consuming vial shaking process after the drug reconstitution. Adjustable shaking speed and timer functions help dissolve up to 27 vials simultaneously.

### Key Features

- Small footprint
- Plug & play
- 30 different speed levels
- Timer Adjustment
- 3 different size pluggable vial slots
- Shaking upto 27 vials simultaneously

*(For more detailed information, you can visit [www.kapsamsaglik.com.tr](http://www.kapsamsaglik.com.tr) or review the related product catalogue.)*

# Centralized IV Preparation (CIVA) Solutions

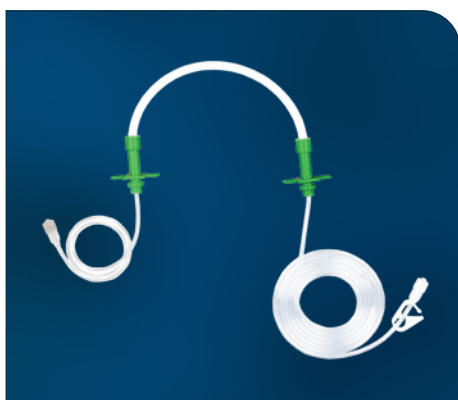
## · Consumables (Fluid Dispensing Pump)



### Fluid Dispensing Pump Tube Set SP/MLL

- Provides a safe fluid transfer from large-volume source containers. It has a dual-way macro spike connection with ventilation cap on one end and a male luer-lock (MLL) connection on the opposite end for filling containers with female luer-lock (FLL) end.
- Compatible with Kapsam Pump-Rx and Baxa/Baxter Repeater Pump devices.

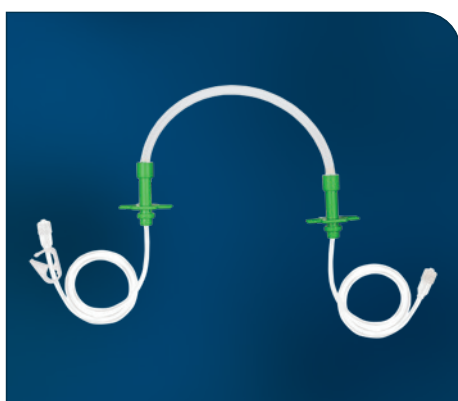
| Product Code | Connection Type                     | Prime Volume | Product Length | Qty/Box |
|--------------|-------------------------------------|--------------|----------------|---------|
| KS-150       | Male Luer Lock – Vented Macro Spike | 30 ml        | 310 cm         | 30      |



### Fluid Dispensing Pump Tube Set MLL/MLL

- Provides a safe fluid transfer from source containers with female luer lock (FLL) end. It has male luer-lock (MLL) connections on both ends, in order the containers with female luer-lock (FLL) end to be connected on both sides.
- Compatible with Kapsam Pump-Rx and Baxa/Baxter Repeater Pump devices.

| Product Code | Connection Type                 | Prime Volume | Product Length | Qty/Box |
|--------------|---------------------------------|--------------|----------------|---------|
| KS-151       | Male Luer Lock – Male Luer Lock | 30 ml        | 300 cm         | 30      |



### Fluid Dispensing Pump Low-Volume Priming Tube Set (MLL/MLL)

- Provides a safe fluid transfer from source containers with female luer lock (FLL) end. It has male luer-lock (MLL) connections on both ends. Designed to reduce drug loss with a short line which has low-priming volume.
- Compatible with Kapsam Pump-Rx and Baxa/Baxter Repeater Pump devices.

| Product Code | Connection Type                 | Prime Volume | Product Length | Qty/Box |
|--------------|---------------------------------|--------------|----------------|---------|
| KS-152       | Male Luer Lock – Male Luer Lock | 6 ml         | 135 cm         | 50      |

# Centralized IV Preparation (CIVA) Solutions

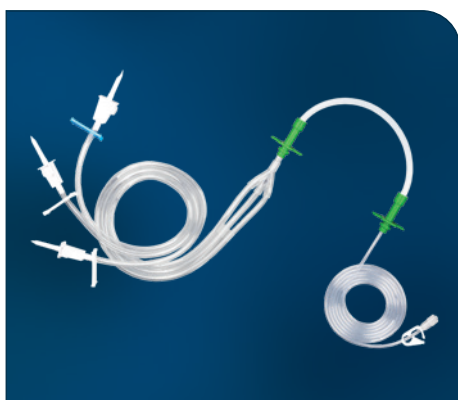
## · Consumables (Fluid Dispensing Pump)



### Fluid Dispensing Pump Tube Set Bifurcated

- Provides a safe fluid transfer from large-volume source containers with bifurcated inlet line and eliminates frequent fluid source changes. It has 2 dual-way macro spike connections with ventilation caps on one end and a male luer-lock (MLL) connection on the opposite end for filling containers with female luer-lock (FLL) end. Both inlet lines have clamp to stop fluid flow whenever needed.
- Compatible with Kapsam Pump-Rx and Baxa/Baxter Repeater Pump devices.

| Product Code | Connection Type                     | Prime Volume | Product Length | Qty/Box |
|--------------|-------------------------------------|--------------|----------------|---------|
| KS-153       | Male Luer Lock – Vented Macro Spike | 42.8 ml      | 310 cm         | 15      |



### Fluid Dispensing Pump Tube Set Trifurcated

- Provides a safe fluid transfer from large-volume source containers with trifurcated inlet line and eliminates frequent fluid source changes. It has 3 dual-way macro spike connections with ventilation caps on one end and a male luer-lock (MLL) connection on the opposite end for filling containers with female luer-lock (FLL) end. Both inlet lines have clamp to stop fluid flow whenever needed.
- Compatible with Kapsam Pump-Rx and Baxa/Baxter Repeater Pump devices.

| Product Code | Connection Type                     | Prime Volume | Product Length | Qty/Box |
|--------------|-------------------------------------|--------------|----------------|---------|
| KS-154       | Male Luer Lock – Vented Macro Spike | 52.8 ml      | 310 cm         | 30      |



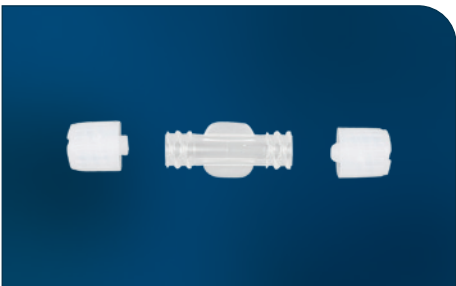
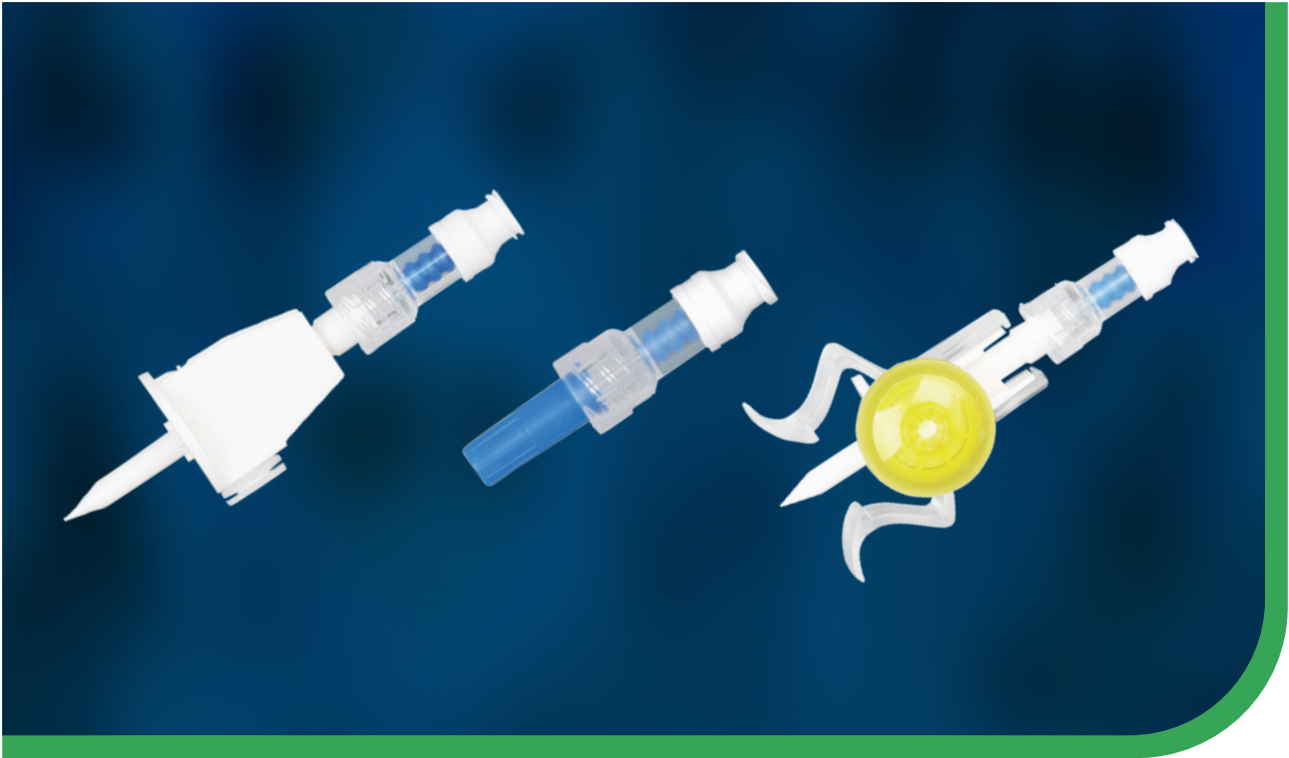
### Fluid Transfer Extension Lines

- Provides an extension to tube set approx. 50 cm. It has a male luer lock (MLL) connection on one end and a female luer lock (FLL) / male luer lock (MLL) connection on the opposite end.
- Compatible with Kapsam Pump-Rx and Baxa/Baxter Repeater Pump devices.

| Product Code | Connection Type | Prime Volume | Product Length | Qty/Box |
|--------------|-----------------|--------------|----------------|---------|
| KS-155       | MLL-MLL         | 2.5 ml       | 55 cm          | 100     |
| KS-156       | MLL-FLL         | 2.7 ml       |                |         |

# Centralized IV Preparation (CIVA) Solutions

## · Consumables (Connectors)



### Male to Female Luer-Lock Connector

- Converts a male luer lock (MLL) port to female luer lock (FLL) port. Compatible to be connected with Pump-Rx transfer sets for syringe filling.

| Product Code | Connection Type | Prime Volume | Product Length | Qty/Box |
|--------------|-----------------|--------------|----------------|---------|
| KS-157-MF    | FLL-FLL         | 0.1 ml       | 38 mm          | 200     |



### Male to Big-Bore Female Luer-Lock Connector

- Converts a male luer lock (MLL) port to a big bore female luer lock port. Compatible to be connected with KS-240 Valve Set for syringe filling.

| Product Code | Connection Type    | Prime Volume | Product Length | Qty/Box |
|--------------|--------------------|--------------|----------------|---------|
| KS-157-MBF   | FLL – Big-Bore FLL | 0.55 ml      | 68 mm          | 200     |

# Centralized IV Preparation (CIVA) Solutions

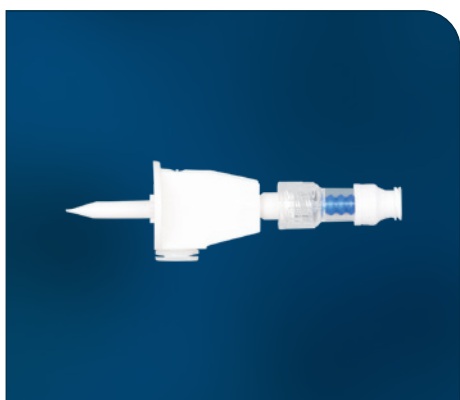
## · Consumables (Connectors)



### Male to Big-Bore Male Luer-Lock Connector

- Converts a male luer lock (MLL) port to a big bore male luer lock port. Compatible to be connected with Pump-Rx transfer sets for EVA Infusion bag filling.

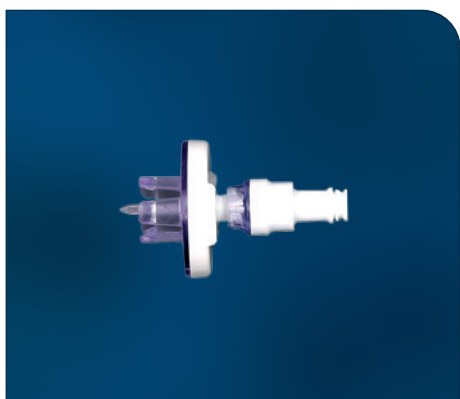
| Product Code | Connection Type    | Prime Volume | Product Length | Qty/Box |
|--------------|--------------------|--------------|----------------|---------|
| KS-157-MBM   | FLL – Big Bore MLL | 0.55 ml      | 68 mm          | 200     |



### Vented Micro Spike Adaptor with Needle-Free Connector

- Used for providing safe connection and fluid transfer between a micro-bore spike-connection source container (e.g. drug vial) and a male luer-lock (MLL) connection line. Ensures safe and secure connection with integrated needle-free connector.

| Product Code | Connection Type          | Prime Volume | Product Length | Qty/Box |
|--------------|--------------------------|--------------|----------------|---------|
| KS-254       | FLL – Vented Micro Spike | 0.2 ml       | 77 mm          | 100     |



### Vial Adaptor 13-14 mm

- Provides a closed-system drug transfer from a 13-14 mm diameter drug vial into a drug transfer line. It has a vial locking mechanism to prevent infection and exposure risks due to dismounting. Ensures needle-free connection and filtered air ventilation. Compatible with Kapsam PharmaScope Onco KS-340 device.

| Product Code | Connection Type          | Prime Volume | Product Length | Qty/Box |
|--------------|--------------------------|--------------|----------------|---------|
| KS-254-1314  | FLL – Vented Micro Spike | 0.2 ml       | 77 mm          | 75      |

# Centralized IV Preparation (CIVA) Solutions

## · Consumables (Connectors)



### Vial Adaptor 20-21 mm

- Provides a closed-system drug transfer from a 20-21 mm diameter drug vial into a drug transfer line. It has a vial locking mechanism to prevent infection and exposure risks due to dismounting. Ensures needle-free connection and filtered air ventilation. Compatible with Kapsam PharmaScope Onco KS-340 device.

| Product Code | Connection Type                       | Prime Volume | Product Length | Qty/Box |
|--------------|---------------------------------------|--------------|----------------|---------|
| KS-254-2021  | Female Luer Lock – Vented Micro Spike | 0.2 ml       | 77 mm          | 200     |



### Non-Vented Spike Adaptor with Needle-Free Connector

- Used for providing safe connection and non-ventilated fluid transfer between a large-bore spike-connection source container and a male luer-lock (MLL) connection line. Ensures safe and secure connection with integrated needle-free connector.

| Product Code | Connection Type                | Prime Volume | Product Length | Qty/Box |
|--------------|--------------------------------|--------------|----------------|---------|
| KS-255       | Female Luer Lock – Macro Spike | 0.5 ml       | 86 mm          | 200     |



### Non-Vented Spike Adaptor with Needle-Free & Check-Valve Connector

- Used for providing safe connection and non-ventilated fluid transfer between a large-bore spike-connection source container and a male luer-lock (MLL) connection line. Ensures safe and secure connection with integrated needle-free connector and prevents backflow with integrated check-valve connector.

| Product Code | Connection Type                | Prime Volume | Product Length | Qty/Box |
|--------------|--------------------------------|--------------|----------------|---------|
| KS-256       | Female Luer Lock – Macro Spike | 0.5 ml       | 105 mm         | 200     |



### Vented Spike Adaptor with Needle-Free Connector

- Used for providing safe connection and ventilated fluid transfer between a large-bore spike-connection source container and a male luer-lock (MLL) connection line. Ensures safe and secure connection with integrated needle-free connector.

| Product Code | Connection Type                       | Prime Volume | Product Length | Qty/Box |
|--------------|---------------------------------------|--------------|----------------|---------|
| KS-253       | Female Luer Lock – Vented 2-Way Spike | 0.5 ml       | 97 mm          | 200     |

# Centralized IV Preparation (CIVA) Solutions

## · Consumables (Connectors)



### Check-Valve Connector

- Used for prohibiting backflow of fluids during intravenous therapy. Compatible to be used in IV compounding and administration areas.

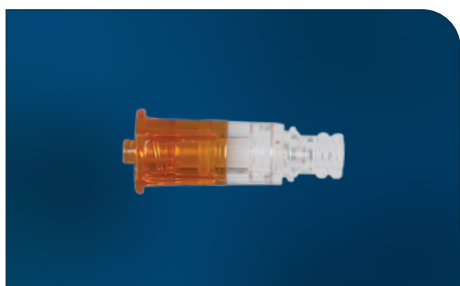
| Product Code | Connection Type                   | Prime Volume | Product Length | Qty/Box |
|--------------|-----------------------------------|--------------|----------------|---------|
| KS-242       | Male Luer Lock – Female Luer Lock | 0.1 ml       | 25 mm          | 200     |



### Needle-Free Connector

- Used for providing a safe connection at the end of vascular catheters to enable catheter access for infusions and aspiration. Compatible to be used in IV compounding and administration areas.

| Product Code | Connection Type  | Prime Volume | Product Length | Qty/Box |
|--------------|------------------|--------------|----------------|---------|
| KS-243       | Female Luer Lock | 0.1 ml       | 30 mm          | 200     |



### MLL Activated Connector Syringe Adaptor

- Used for providing a needle-free closed system on tubing sets or luer-lock syringes during transferring and mixing hazardous IV drugs.

| Product Code | Connection Type                   | Prime Volume | Product Length | Qty/Box |
|--------------|-----------------------------------|--------------|----------------|---------|
| KS-244       | Male Luer Lock – Female Luer Lock | 0.2 ml       | 37 mm          | 200     |



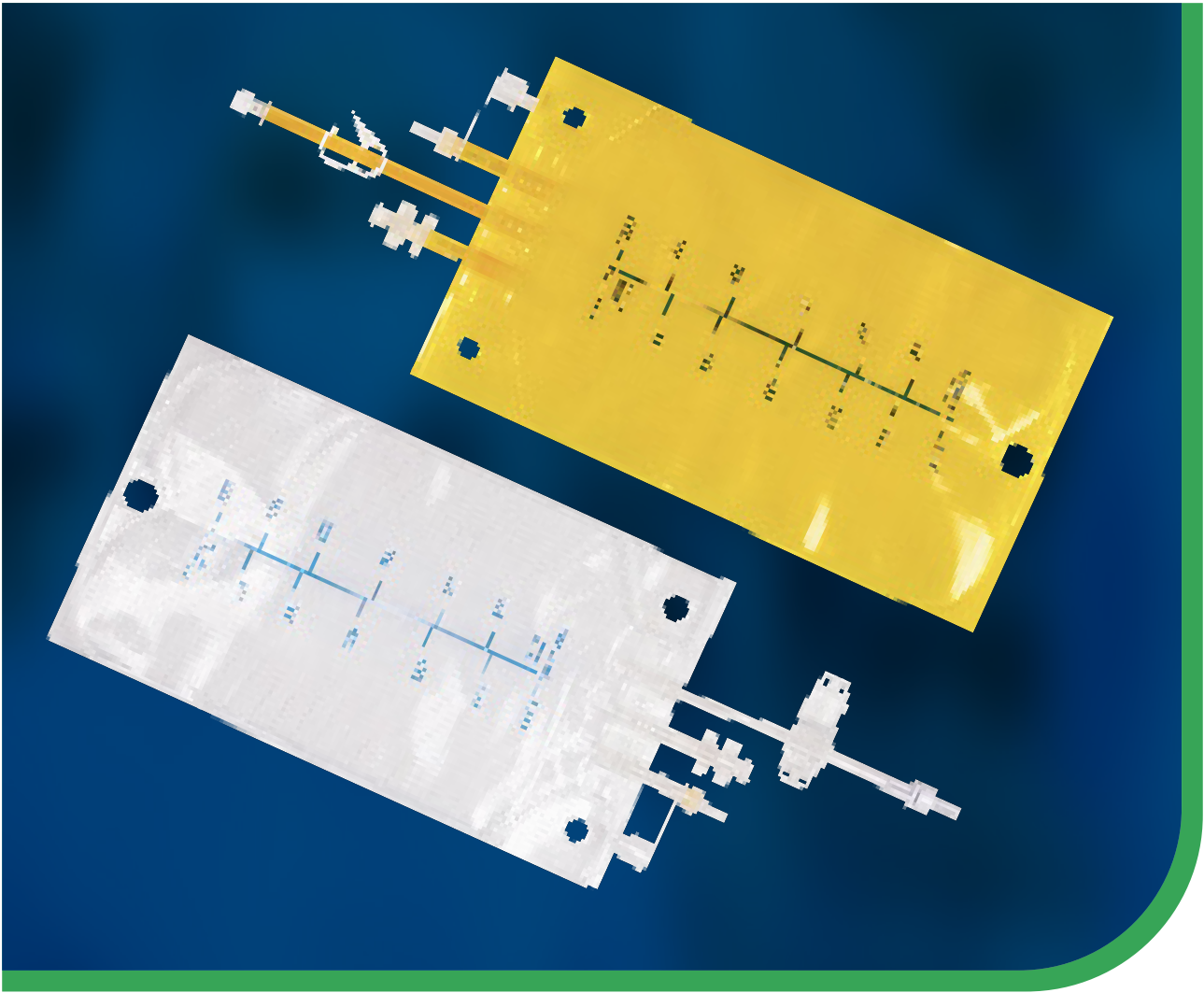
### 3-Way Stopcock

- Used for simultaneous and continuous infusion of two fluids to connect a luer device and control flow direction. Includes one male luer lock with rotator and two threaded female ports to facilitate safe & secure connection.

| Product Code | Connection Type   | Prime Volume | Product Length | Qty/Box |
|--------------|-------------------|--------------|----------------|---------|
| KS-237       | (1) MLL – (2) FLL | 0.2 ml       | 38 mm          | 200     |







## IV Infusion EVA Bags

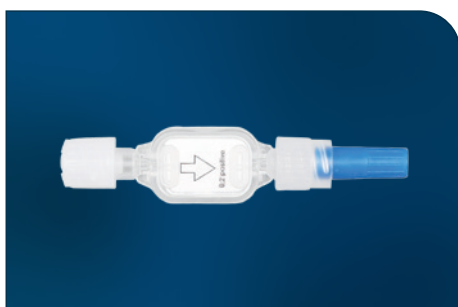
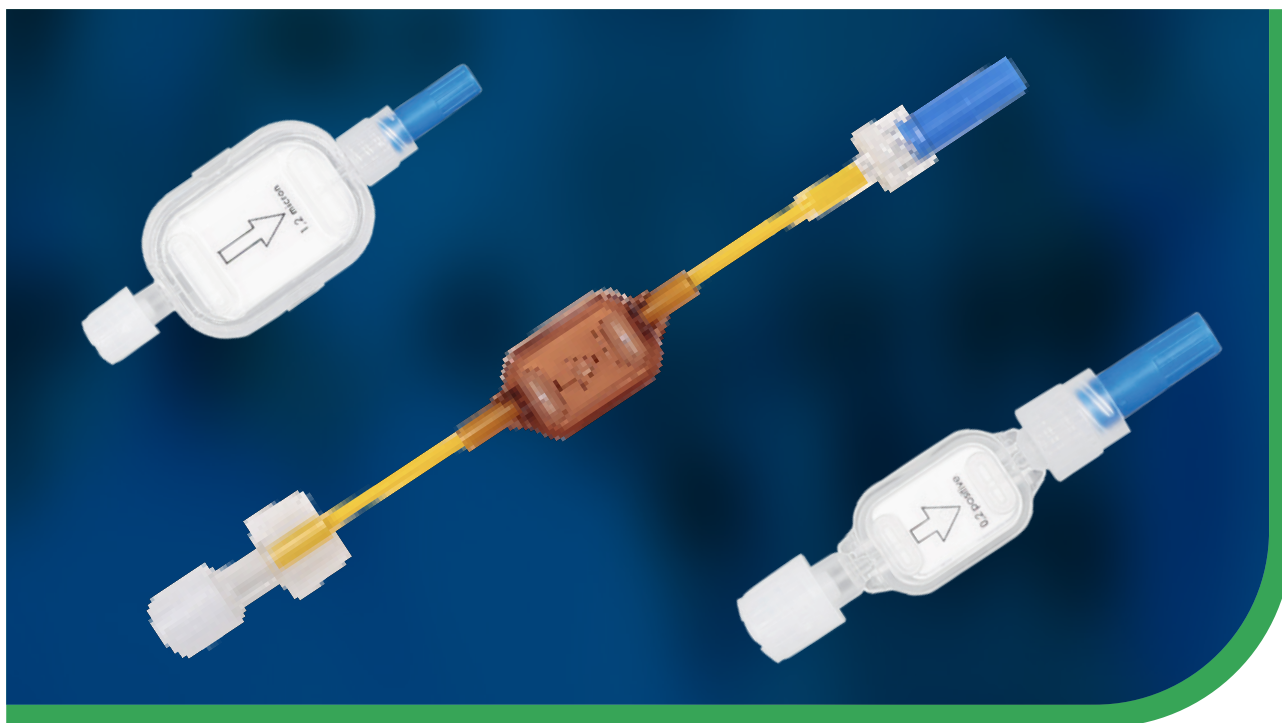
- Contains PVC-free EVA (ethylene vinyl acetate) material. DEHP and Latex free (including ports).
- Used for large-volume sterile solutions mixing and infusion to the patient.
- Includes three ports with non-reopening clamp and safety cap.
- Available in all standard sizes from 150 to 4000 mL.
- Transparent type allows the solution to be checked visually. Light-protected type ensures UV light protection up to 95% for light-sensitive ingredients such as vitamins, lipids and oncology medications.
- Dual-chamber type is used for transferring additional ingredients (such as lipids) into a separate container to extend the beyond-use date (BUD) of TPN solution.
- Compatible with automated compounding devices and gravity/manual filling.

# IV Infusion EVA Bags

| Product Code | Capacity   | Main Material       | Chamber Type   | Connection Type  | Qty/Box  |
|--------------|------------|---------------------|----------------|--|--|
| KS-0015      | 150ml      | Transparent EVA     | Single Chamber | (1) Big-bore FLL port for automated/gravity filling (compounding port)<br>(1) Twist-off port for spike connection (infusion port)<br>(1) Injection port for manual additions (needle port) | 100  |
| KS-0025      | 250 ml     |                     |                |  | 100  |
| KS-0050      | 500ml      |                     |                |  | 100  |
| KS-0100      | 1000ml     |                     |                |  | 100  |
| KS-0200      | 2000ml     |                     |                |  | 50   |
| KS-0300      | 3000ml     |                     |                |  | 50   |
| KS-0400      | 4000ml     |                     |                |  | 50   |
| KS-1015      | 150ml      | Light-Protected EVA | Single Chamber | (1) Injection port for manual additions (needle port)  | 100  |
| KS-1025      | 250 ml     |                     |                |  | 100  |
| KS-1050      | 500ml      |                     |                |  | 100  |
| KS-1100      | 1000ml     |                     |                |  | 100  |
| KS-1200      | 2000ml     |                     |                |  | 50   |
| KS-1300      | 3000ml     |                     |                |  | 50   |
| KS-1400      | 4000ml     |                     |                |  | 50   |
| KS-0100DC    | 1000+250ml | Transparent EVA     | Dual Chamber   | (2) Big-bore FLL port for automated/gravity filling (compounding port)<br>(2) Twist-off port for spike connection (infusion port)<br>(1) Injection port for manual additions (needle port) | 100  |
| KS-0300DC    | 3000+500ml |                     |                |  | 50   |
| KS-1100DC    | 1000+250ml | Light-Protected EVA | Single Chamber | (1) Injection port for manual additions (needle port)<br>(1) FLL port for pump set connection (pre-filling port)<br>(1) Twist-off port for extension set spike connection (infusion port)  | 100  |
| KS-1300DC    | 3000+500ml |                     |                |  | 50   |
| KS-381       | 150 ml     |                     |                |  | 100  |
| KS-382       | 250 ml     |                     |                |  | 100  |
| KS-383       | 500 ml     |                     |                |  | 100  |
| KS-384       | 1000 ml    |                     |                |  | 100  |
| KS-281T      | 150 ml     |                     |                |  | (1) FLL port for pump set connection (pre-filling and infusion port)<br>(1) Needle-free connector port for extension set MLL connection (Compounding port) |
| KS-282T      | 250 ml     | 100                 |                |  |  |
| KS-283T      | 500 ml     | 100                 |                |  |  |
| KS-284T      | 1000 ml    | 100                 |                |  |  |

# IV Filters & Extension Lines

· IV Solution and TPN Filters



## IV Filter 0.2-micron Positive, Baby-Type

- Provides 0.2-micron filtration of 2in1 parenteral nutrition solutions (excluding lipids) for neonatal/pediatric patients.

| Product Code | Connection Type                            | Filter Color       | Prime Volume | Product Length | Qty/Box |
|--------------|--|--------------------|--------------|----------------|---------|
| KS-238       | Rotating Male Luer Lock – Female Luer Lock | Clear/ Transparent | 0.35 ml      | 50 mm          | 200     |



## IV Filter 0.2-micron Positive, Pediatric-Type

- Provides 0.2-micron filtration of 2in1 parenteral nutrition solutions (excluding lipids) for neonatal/pediatric patients.

| Product Code | Connection Type                            | Filter Color       | Prime Volume | Product Length | Qty/Box |
|--------------|--|--------------------|--------------|----------------|---------|
| KS-239       | Rotating Male Luer Lock – Female Luer Lock | Clear/ Transparent | 1.30 ml      | 62 mm          | 200     |

# IV Filters & Extension Lines

## · IV Solution and TPN Filters



### IV Filter 0.2-micron Positive, Adult-Type

- Provides 0.2-micron filtration of 2in1 parenteral nutrition solutions (excluding lipids) for adult patients.

| Product Code | Connection Type                            | Filter Color       | Prime Volume | Product Length | Qty/Box |
|--------------|--|--------------------|--------------|----------------|---------|
| KS-257A      | Rotating Male Luer Lock – Female Luer Lock | Clear/ Transparent | 2.4 ml       | 50 mm          | 200     |



### IV Filter 1.2-micron Baby-Type

- Provides 1.2-micron filtration of 3in1 parenteral nutrition solutions (including lipids) for neonatal/pediatric patients.

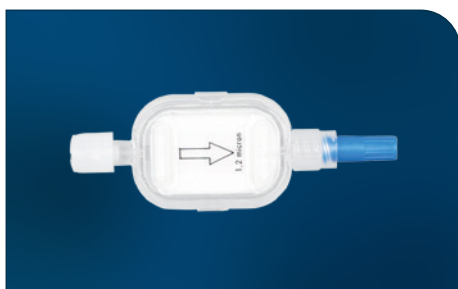
| Product Code | Connection Type                            | Filter Color       | Prime Volume | Product Length | Qty/Box |
|--------------|--|--------------------|--------------|----------------|---------|
| KS-259B      | Rotating Male Luer Lock – Female Luer Lock | Clear/ Transparent | 0.38 ml      | 62 mm          | 200     |



### IV Filter 1.2-micron Pediatric-Type

- Provides 1.2-micron filtration of 3in1 parenteral nutrition solutions (including lipids) for neonatal/pediatric patients.

| Product Code | Connection Type                            | Filter Color       | Prime Volume | Product Length | Qty/Box |
|--------------|--|--------------------|--------------|----------------|---------|
| KS-258K      | Rotating Male Luer Lock – Female Luer Lock | Clear/ Transparent | 1.15 ml      | 62 mm          | 200     |



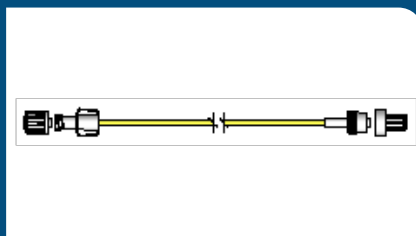
### IV Filter 1.2-micron Adult-Type

- Provides 1.2-micron filtration of 3in1 parenteral nutrition solutions (including lipids) for adult patients.

| Product Code | Connection Type                            | Filter Color       | Priming Volume | Product Length | Qty/Box |
|--------------|--|--------------------|----------------|----------------|---------|
| KS-240       | Rotating Male Luer Lock – Female Luer Lock | Clear/ Transparent | 2.4 ml         | 62 mm          | 200     |

# IV Filters & Extension Lines

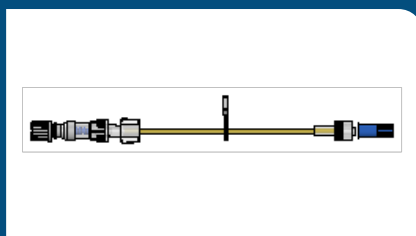
## · Small Bore - One way



### IV Extension Line 150cm DEHP-Free Tubing, MLL/FLL End

- Suitable for use with syringe/perfusion pump syringes as an IV infusion line.

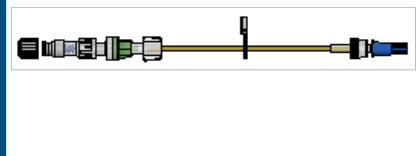
| Product Code | Tubing Diameter (IØ x OØ) | Tubing Type                  | Prime Volume | Product Length | Qty/Box |
|--------------|---------------------------|------------------------------|--------------|----------------|---------|
| KS-229       | 0,9 mm x 2,5 mm           | Small Bore – Light Protected | 1.0 ml       | 15 cm          | 100     |
| KS-229T      | 0,9 mm x 2,5 mm           | Small Bore – Transparent     | 1.0 ml       | 15 cm          | 100     |



### IV Extension Line 5cm DEHP-Free Tubing with Needle-Free Connector, MLL/FLL End

- Suitable for use with syringe/perfusion pump syringes as an IV infusion line.

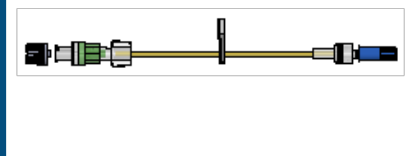
| Product Code | Tubing Diameter (IØ x OØ) | Tubing Type                  | Prime Volume | Product Length | Qty/Box |
|--------------|---------------------------|------------------------------|--------------|----------------|---------|
| KS-264       | 0,9 mm x 2,5 mm           | Small Bore – Light Protected | 0.51 ml      | 18cm           | 100     |



### IV Extension Line 5cm DEHP-Free Tubing with Needle-Free Ven Valve & Check-Valve, MLL/FLL End

- Suitable for use with syringe/perfusion pump syringes as an IV infusion line.

| Product Code | Tubing Diameter (IØ x OØ) | Tubing Type                  | Prime Volume | Product Length | Qty/Box |
|--------------|---------------------------|------------------------------|--------------|----------------|---------|
| KS-264CV     | 0,9 mm x 2,5 mm           | Small Bore – Light Protected | 0.51 ml      | 18 cm          | 100     |



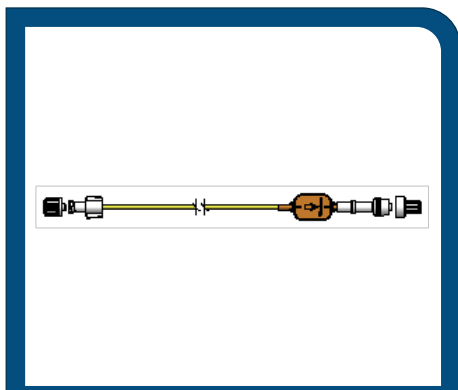
### IV Extension Line 5cm DEHP-Free Tubing with Check-Valve, MLL/FLL End

- Suitable for use with syringe/perfusion pump syringes as an IV infusion line.

| Product Code | Tubing Diameter (IØ x OØ) | Tubing Type                  | Prime Volume | Product Length | Qty/Box |
|--------------|---------------------------|------------------------------|--------------|----------------|---------|
| KS-265       | 0,9 mm x 2,5 mm           | Small Bore – Light Protected | 0.36 ml      | 15 cm          | 100     |

# IV Filters & Extension Lines

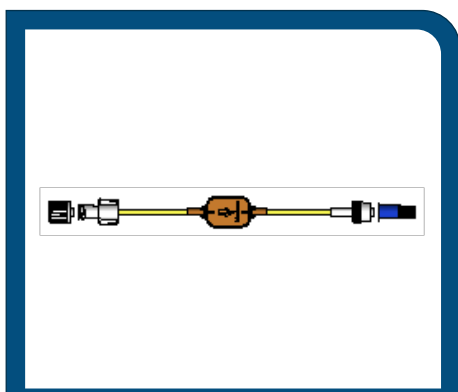
## · Small Bore - One way with Filter



### IV Extension Line with 1.2-micron Baby IV Filter, 150cm DEHP-Free Tubing, MLL/FLL End

- Suitable for use with syringe/perfusion pump syringes as an IV infusion line. Provides 1.2-micron filtration of parenteral lipid solutions for neonatal/pediatric patients.

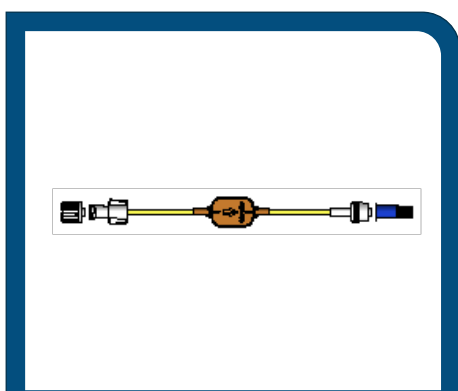
| Product Code | Tubing Diameter (IØ x OØ) | Tubing Type                  | Prime Volume | Product Length | Qty/Box |
|--------------|---------------------------|------------------------------|--------------|----------------|---------|
| KS-228       | 0,9 mm x 2,5 mm           | Small Bore – Light Protected | 1.3 ml       | 156 cm         | 100     |



### IV Extension Line with 1.2-micron Baby IV Filter, 10cm DEHP-Free Tubing, MLL/FLL End

- Provides 1.2-micron filtration of 3in1 parenteral nutrition solutions (including lipids) for neonatal/pediatric patients.

| Product Code | Tubing Diameter (IØ x OØ) | Tubing Type                  | Prime Volume | Product Length | Qty/Box |
|--------------|---------------------------|------------------------------|--------------|----------------|---------|
| KS-247       | 0,9 mm x 2,5 mm           | Small Bore – Light Protected | 0.4 ml       | 150 mm         | 200     |



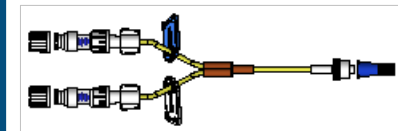
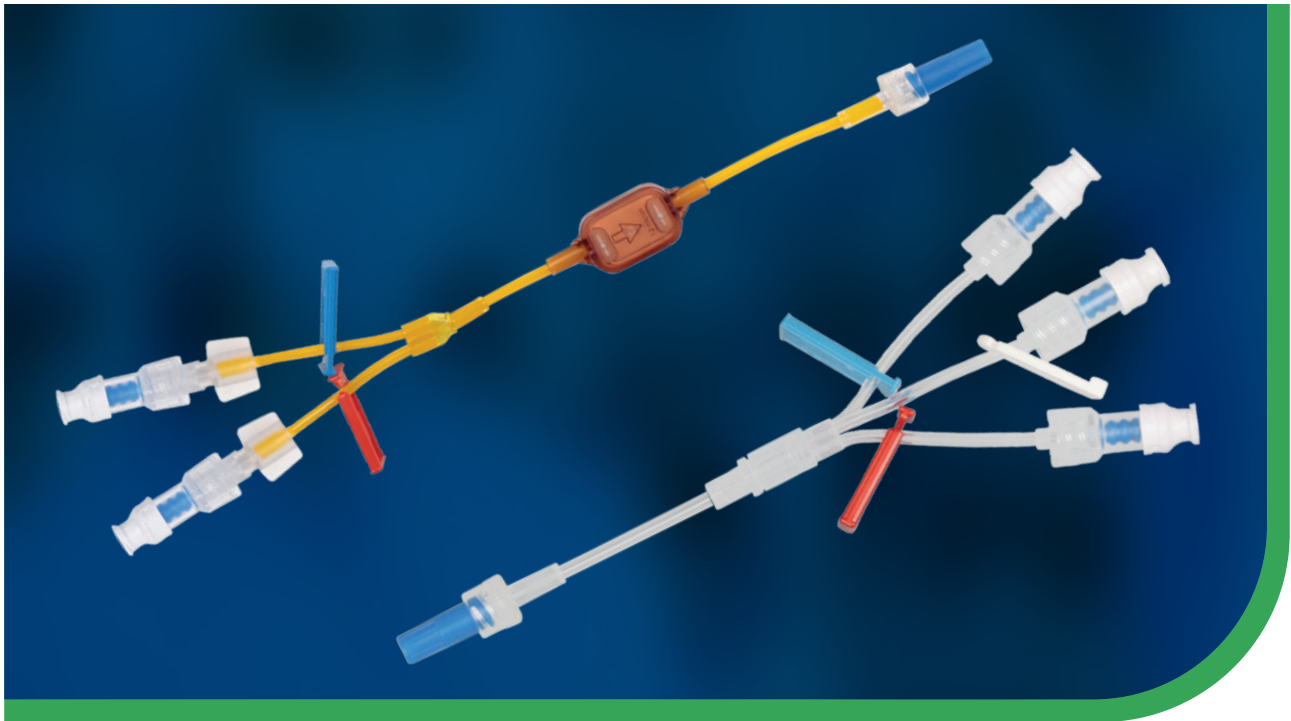
### IV Extension Line with 0.2-micron Baby IV Filter, 10cm DEHP-Free Tubing, MLL/FLL End

- Provides 0.2-micron filtration of 2in1 parenteral nutrition solutions (excluding lipids) for neonatal/pediatric patients.

| Product Code | Tubing Diameter (IØ x OØ) | Tubing Type                  | Prime Volume | Product Length | Qty/Box |
|--------------|---------------------------|------------------------------|--------------|----------------|---------|
| KS-248       | 0,9 mm x 2,5 mm           | Small Bore – Light Protected | 0.4 ml       | 150 mm         | 200     |

# IV Filters & Extension Lines

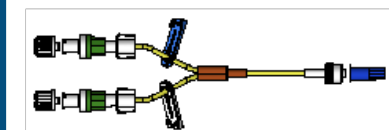
· Small Bore - Multiple way



**IV Extension Line** Double Lumen (Bifurcated) DEHP-Free Tubing with 2xNeedle-Free Ven Valve, MLL/FLL End

- Suitable for infusing two IV solutions to neonatal/pediatric patients.

| Product Code | Tubing Diameter (IØ x OØ) | Tubing Type                  | Prime Volume | Product Length | Qty/Box |
|--------------|---------------------------|------------------------------|--------------|----------------|---------|
| KS-250       | 0,9 mm x 2,5 mm           | Small Bore – Light Protected | 0.3 ml       | 23 cm          | 100     |



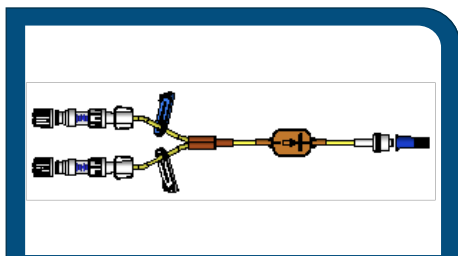
**IV Extension Line** Double Lumen (Bifurcated) DEHP-Free Tubing with 2xCheck-Valve, MLL/FLL End

- Suitable for infusing two IV solutions to neonatal/pediatric patients.

| Product Code | Tubing Diameter (IØ x OØ) | Tubing Type                  | Prime Volume | Product Length | Qty/Box |
|--------------|---------------------------|------------------------------|--------------|----------------|---------|
| KS-251       | 0,9 mm x 2,5 mm           | Small Bore – Light Protected | 0.3 ml       | 23 cm          | 100     |

# IV Filters & Extension Lines

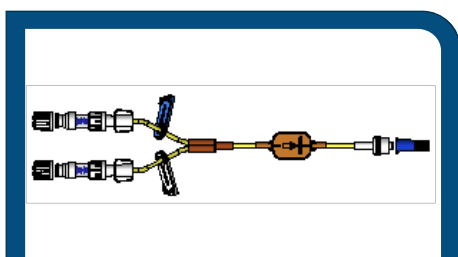
## · Small Bore - Multiple way



**IV Extension Line** Double Lumen (Bifurcated) DEHP-Free Tubing with 1.2-micron Baby IV Filter and 2xNeedle-Free Ven Valve, MLL/FLL End

- Suitable for infusing two IV solutions to neonatal/pediatric patients. Provides 1.2-micron filtration with integrated IV filter.

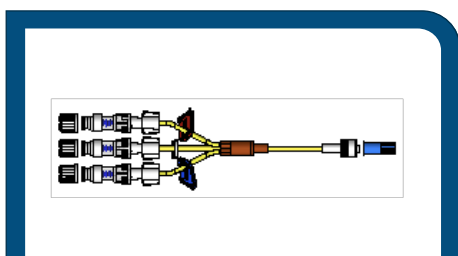
| Product Code | Tubing Diameter (IØ x OØ) | Tubing Type                  | Prime Volume | Product Length | Qty/Box |
|--------------|---------------------------|------------------------------|--------------|----------------|---------|
| KS-252-12    | 0,9 mm x 2,5 mm           | Small Bore – Light Protected | 0.7 ml       | 19 cm          | 100     |



**IV Extension Line** Double Lumen (Bifurcated) DEHP-Free Tubing with 0.2-micron Baby IV Filter and 2xNeedle-Free Ven Valve, MLL/FLL End

- Suitable for infusing two IV solutions to neonatal/pediatric patients. Provides 0.2-micron filtration with integrated IV filter.

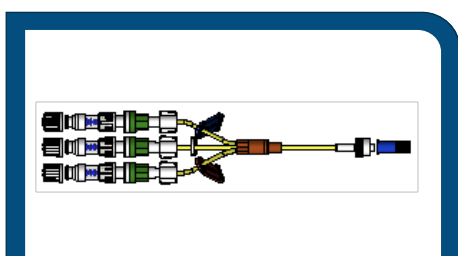
| Product Code | Tubing Diameter (IØ x OØ) | Tubing Type                  | Prime Volume | Product Length | Qty/Box |
|--------------|---------------------------|------------------------------|--------------|----------------|---------|
| KS-252-02    | 0,9 mm x 2,5 mm           | Small Bore – Light Protected | 0.7 ml       | 19 cm          | 100     |



**IV Extension Line** Triple Lumen (Trifurcated) DEHP-Free Tubing with 3xNeedle-Free Ven Valve, MLL/FLL End

- Suitable for infusing three IV solutions to neonatal/pediatric patients.

| Product Code | Tubing Diameter (IØ x OØ) | Tubing Type                  | Prime Volume | Product Length | Qty/Box |
|--------------|---------------------------|------------------------------|--------------|----------------|---------|
| KS-231       | 0,9 mm x 2,5 mm           | Small Bore – Light Protected | 0.5 ml       | 16 cm          | 100     |



**IV Extension Line** Triple Lumen (Trifurcated) DEHP-Free Tubing with 3xNeedle-Free Ven Valve and 3 Check-Valve, MLL/FLL End

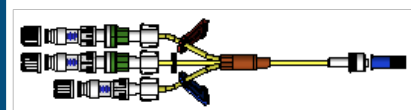
- Suitable for infusing three IV solutions to neonatal/pediatric patients.

| Product Code | Tubing Diameter (IØ x OØ) | Tubing Type                  | Prime Volume | Product Length | Qty/Box |
|--------------|---------------------------|------------------------------|--------------|----------------|---------|
| KS-232       | 0,9 mm x 2,5 mm           | Small Bore – Light Protected | 0.8 ml       | 18 cm          | 100     |



# IV Filters & Extension Lines

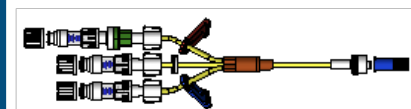
## · Small Bore - Multiple way



**IV Extension Line** Triple Lumen (Trifurcated) DEHP-Free Tubing with 3 Needle-Free Ven Valve and 2 Check-Valve, MLL/FLL End

- Suitable for infusing three IV solutions to neonatal/pediatric patients.

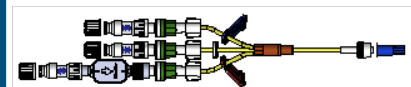
| Product Code | Tubing Diameter (IØ x OØ) | Tubing Type                  | Prime Volume | Product Length | Qty/Box |
|--------------|---------------------------|------------------------------|--------------|----------------|---------|
| KS-233       | 0,9 mm x 2,5 mm           | Small Bore – Light Protected | 0.7 ml       | 18 cm          | 100     |



**IV Extension Line** Triple Lumen (Trifurcated) DEHP-Free Tubing with 3 Needle-Free Ven Valve and 1 Check-Valve, MLL/FLL End

- Suitable for infusing three IV solutions to neonatal/pediatric patients.

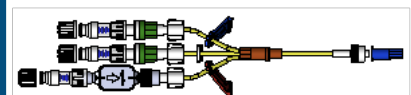
| Product Code | Tubing Diameter (IØ x OØ) | Tubing Type                  | Prime Volume | Product Length | Qty/Box |
|--------------|---------------------------|------------------------------|--------------|----------------|---------|
| KS-234       | 0,9 mm x 2,5 mm           | Small Bore – Light Protected | 0.6 ml       | 18 cm          | 100     |



**IV Extension Line** Triple Lumen (Trifurcated) DEHP-Free Tubing with 0.2-micron Baby IV Filter, 3 Needle-Free Ven Valve and 3 Check-Valve, MLL/FLL End

- Suitable for infusing three IV solutions to neonatal/pediatric patients. Provides 0.2-micron filtration with integrated IV filter.

| Product Code | Tubing Diameter (IØ x OØ) | Tubing Type                  | Prime Volume | Product Length | Qty/Box |
|--------------|---------------------------|------------------------------|--------------|----------------|---------|
| KS-235       | 0,9 mm x 2,5 mm           | Small Bore – Light Protected | 1.2 ml       | 22 cm          | 100     |



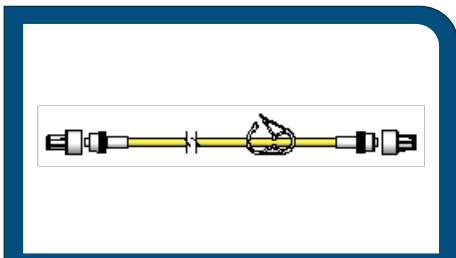
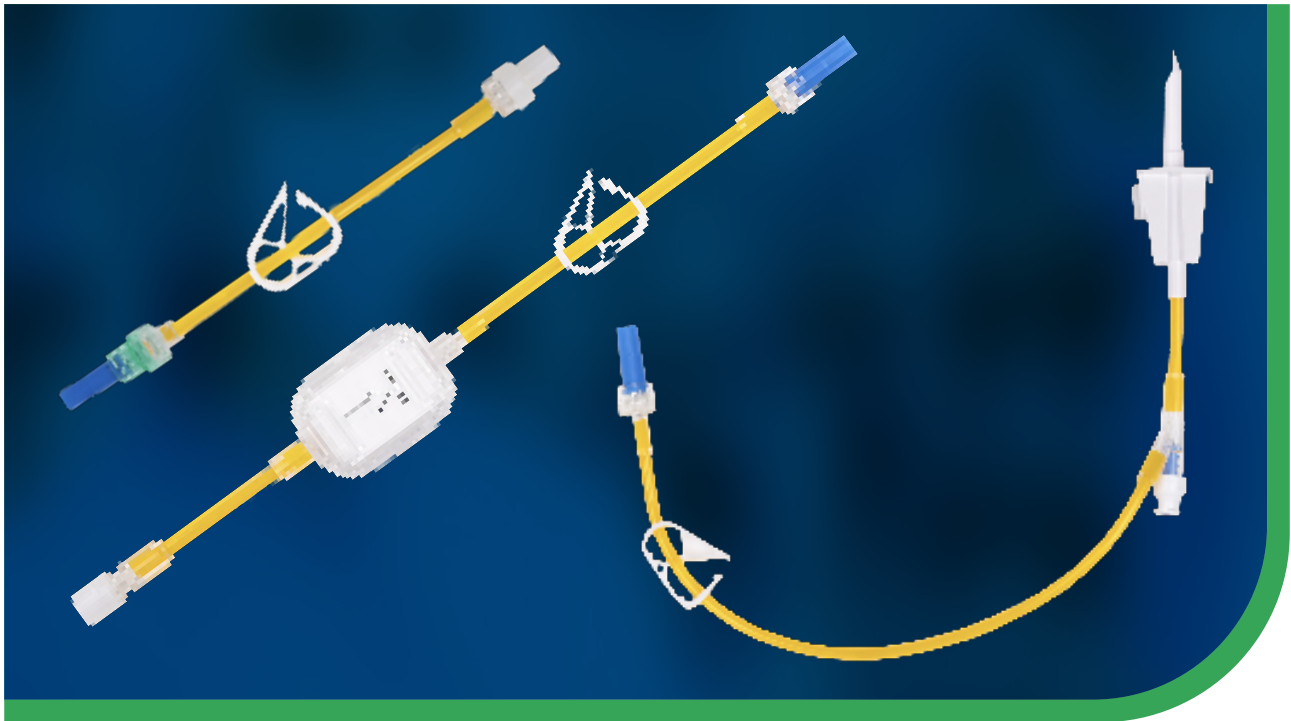
**IV Extension Line** Triple Lumen (Trifurcated) DEHP-Free Tubing with 0.2-micron Baby IV Filter, 3 Needle-Free Ven Valve and 2 Check-Valve, MLL/FLL End

- Suitable for infusing three IV solutions to neonatal/pediatric patients. Provides 0.2-micron filtration with integrated IV filter.

| Product Code | Tubing Diameter (IØ x OØ) | Tubing Type                  | Prime Volume | Product Length | Qty/Box |
|--------------|---------------------------|------------------------------|--------------|----------------|---------|
| KS-236       | 0,9 mm x 2,5 mm           | Small Bore – Light Protected | 1.2 ml       | 22 cm          | 100     |

# IV Filters & Extension Lines

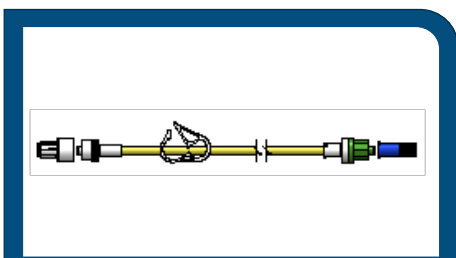
• Large Bore



**IV Extension Line 3.0x4.1mm, 26cm DEHP-Free Tubing**

■ Suitable to be connected between IV Infusion bag and IV infusion set.

| Product Code | Connection Type | Tubing Type                  | Prime Volume | Product Length | Qty/Box |
|--------------|-----------------|------------------------------|--------------|----------------|---------|
| KS-241       | MLL/MLL         | Large Bore – Light Protected | 1.8 ml       | 29 cm          | 100     |



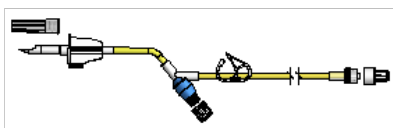
**IV Extension Line 3.0x4.1mm, 26cm DEHP-Free Tubing with Check-Valve**

■ Suitable to be connected between IV Infusion bag and IV infusion set.

| Product Code | Connection Type | Tubing Type                  | Prime Volume | Product Length | Qty/Box |
|--------------|-----------------|------------------------------|--------------|----------------|---------|
| KS-225       | MLL/MLL         | Large Bore – Light Protected | 1.8 ml       | 29 cm          | 100     |

# IV Filters & Extension Lines

## • Large Bore



**IV Extension Line** 3.0x4.1mm, 25cm DEHP-Free Tubing, Needle-Free Y-Connection Port

- Suitable to be connected between IV Infusion bag and IV infusion set.

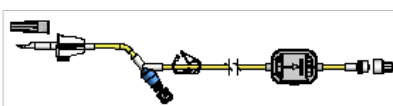
| Product Code | Connection Type | Tubing Type                  | Prime Volume | Product Length | Qty/Box |
|--------------|-----------------|------------------------------|--------------|----------------|---------|
| KS-226       | Spike/MLL       | Large Bore – Light Protected | 2.2 ml       | 33 cm          | 200     |



**IV Extension Line** 3.0x4.1mm, 29cm DEHP-Free Tubing with check-valve, Needle-Free Y-Connection Port

- Suitable to be connected between IV Infusion bag and IV infusion set. Enables safe drug injection with integrated needle-free Y-connector.

| Product Code | Connection Type       | Tubing Type                  | Prime Volume | Product Length | Qty/Box |
|--------------|-----------------------|------------------------------|--------------|----------------|---------|
| KS-226CV     | Spike/Check-Valve MLL | Large Bore – Light Protected | 2.5 ml       | 39 cm          | 100     |



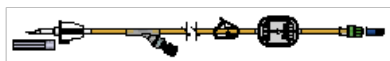
**IV Extension Line** with 0.2-micron IV Filter and Needle-Free Y-Connection Port, 3.0x4.1mm, 30cm DEHP-Free Tubing

- Suitable to be connected between IV Infusion bag and IV infusion set. Provides 0.2-micron filtration of Paclitaxel or similar IV chemotherapy drugs. Enables safe drug injection with integrated needle-free Y-connection port.

| Product Code | Connection Type | Tubing Type                  | Prime Volume | Product Length | Qty/Box |
|--------------|-----------------|------------------------------|--------------|----------------|---------|
| KS-227       | Spike/MLL       | Large Bore – Light Protected | 4.2 ml       | 43 cm          | 50      |

# IV Filters & Extension Lines

## • Large Bore



### IV Extension Line with 0.2-micron IV Filter and Needle-Free Y-Connection Port, 3.0x4.1mm, 30cm DEHP-Free Tubing

- Suitable to be connected between IV Infusion bag and IV infusion set. Provides 0.2-micron filtration of Paclitaxel or similar IV chemotherapy drugs. Enables safe drug injection with integrated needle-free Y-connection port and integrated check-valve.

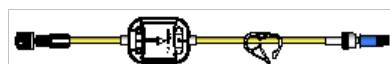
| Product Code | Connection Type | Tubing Type                  | Prime Volume | Product Length | Qty/Box |
|--------------|-----------------|------------------------------|--------------|----------------|---------|
| KS-227CV     | Spike/MLL       | Large Bore – Light Protected | 4.4 ml       | 43 cm          | 100     |



### IV Extension Line with 0.2-micron IV Filter, 3.0x4.1mm, 15cm DEHP-Free Tubing

- Suitable to be connected between IV Infusion bag and IV infusion set. Provides 0.2-micron filtration of Paclitaxel or similar IV chemotherapy drugs.

| Product Code | Connection Type | Tubing Type                  | Prime Volume | Product Length | Qty/Box |
|--------------|-----------------|------------------------------|--------------|----------------|---------|
| KS-245       | MLL/MLL         | Large Bore – Light Protected | 1.2 ml       | 23 cm          | 100     |
| KS-246       | FLL/MLL         | Large Bore – Light Protected | 1.2 ml       | 21 cm          | 100     |



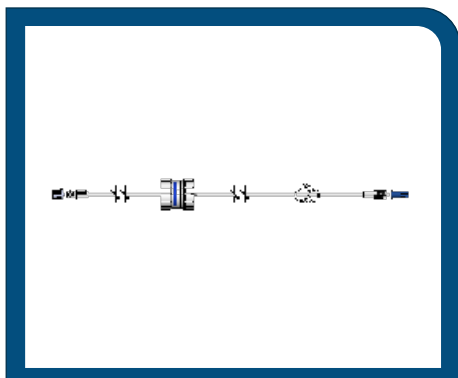
### IV Extension Line with 1.2-micron IV Filter, 3.0x4.1mm, 15cm DEHP-Free Tubing

- Suitable to be connected between IV Infusion bag and IV infusion set. Provides 1.2-micron IV filtration.

| Product Code | Connection Type | Tubing Type                  | Prime Volume | Product Length | Qty/Box |
|--------------|-----------------|------------------------------|--------------|----------------|---------|
| KS-263       | MLL/FLL         | Large Bore – Light Protected | 2.1 ml       | 21 cm          | 100     |

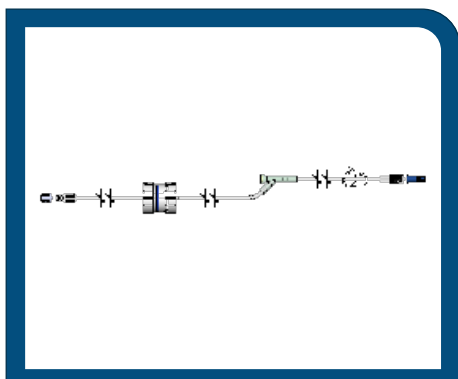
# IV Filters & Extension Lines

· Large Bore with Flow Regulator



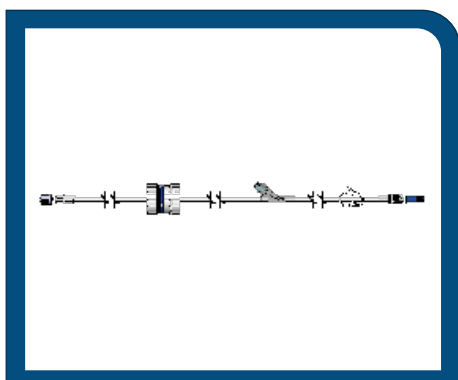
**IV Extension Line** with Flow Regulator (GVS Eurodrop®), Transparent Large-Bore, 50cm DEHP-Free Tubing, MLL/FLL End

| Product Code | Tubing Type | Prime Volume | Tubing Diameter (IØ - OØ) | Product Length | Qty/Box |
|--------------|-------------|--------------|---------------------------|----------------|---------|
| KS-260FR     | DEHP-FREE   | 3.63 ml      | 3.0mm - 4.1 mm            | 55 cm          | 30      |
| KS-260FR-PF  | PVC-FREE    |              |                           |                |         |



**IV Extension Line** with Flow Regulator (GVS Eurodrop®) and Y-Site Injection Port, Transparent Large-Bore, 50cm DEHP-Free Tubing, MLL/FLL End

| Product Code | Tubing Type | Prime Volume | Tubing Diameter (IØ - OØ) | Product Length | Qty/Box |
|--------------|-------------|--------------|---------------------------|----------------|---------|
| KS-261FR     | DEHP-FREE   | 3.67 ml      | 3.0mm - 4.1 mm            | 52 cm          | 30      |
| KS-261FR-PF  | PVC-FREE    |              |                           |                |         |

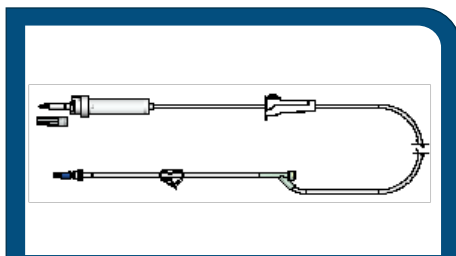


**IV Extension Line** with Flow Regulator (GVS Eurodrop®) and Needle-Free Y-Connection Port, Transparent Large-Bore, 50cm DEHP-Free Tubing, MLL/FLL End

| Product Code | Tubing Type | Prime Volume | Tubing Diameter (IØ - OØ) | Product Length | Qty/Box |
|--------------|-------------|--------------|---------------------------|----------------|---------|
| KS-262FR     | DEHP-FREE   | 3.67 ml      | 3.0mm - 4.1 mm            | 52 cm          | 30      |
| KS-262FR-PF  | PVC-FREE    |              |                           |                |         |

# IV Infusion ve Multiplexer Sets

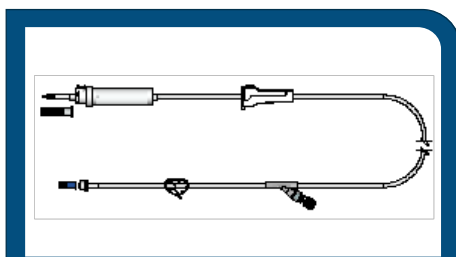
## · Basic IV Infusion Sets



**IV Infusion Set** Y-Site Injection Port, Transparent Large-Bore (3.0x4.1mm), DEHP-Free Tubing

■ Compatible with universal infusion pumps.

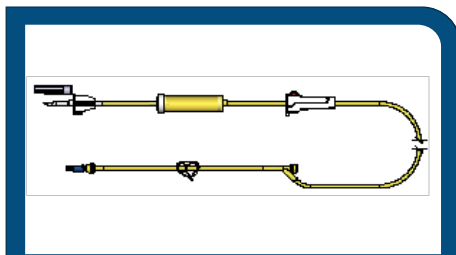
| Product Code | Tubing Type | Tubing Length | Product Length | Prime Volume | Qty/Box |
|--------------|-------------|---------------|----------------|--------------|---------|
| KS-IV501     | DEHP-FREE   | 235 cm        | 252 cm         | 26.6 ml      | 30      |
| KS-IV501-PF  | PVC-FREE    |               |                |              |         |



**IV Infusion Set** Needle-Free Y-Connection Port, Transparent Large-Bore (3.0x4.1mm) DEHP-Free Tubing

■ Compatible with universal infusion pumps.

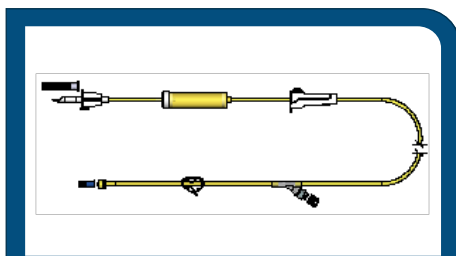
| Product Code | Tubing Type | Tubing Length | Product Length | Prime Volume | Qty/Box |
|--------------|-------------|---------------|----------------|--------------|---------|
| KS-IV502     | DEHP-FREE   | 235 cm        | 252 cm         | 26.6 ml      | 30      |
| KS-IV502-PF  | PVC-FREE    |               |                |              |         |



**IV Infusion Set** Y-Site Injection Port, Light-Protected Large-Bore (3.0x4.1mm) DEHP-Free Tubing

■ Compatible with universal infusion pumps.

| Product Code | Tubing Type | Tubing Length | Product Length | Prime Volume | Qty/Box |
|--------------|-------------|---------------|----------------|--------------|---------|
| KS-IV503     | DEHP-FREE   | 242 cm        | 252 cm         | 26.6 ml      | 30      |
| KS-IV503-PF  | PVC-FREE    |               |                |              |         |



**IV Infusion Set** Needle-Free Y-Connection Port, Light-Protected Large-Bore (3.0x4.1mm) DEHP-Free Tubing

■ Compatible with universal infusion pumps.

| Product Code | Tubing Type | Tubing Length | Product Length | Prime Volume | Qty/Box |
|--------------|-------------|---------------|----------------|--------------|---------|
| KS-IV504     | DEHP-FREE   | 242 cm        | 252 cm         | 26.6 ml      | 30      |
| KS-IV504-PF  | PVC-FREE    |               |                |              |         |

# IV Infusion ve Multiplexer Sets

## · Large Bore with Flow Regulator



**IV Infusion Set** with Flow Regulator, Y-Site Injection Port, Transparent Large-Bore (3.0x4.1mm) Tubing

■ Suitable for gravity infusion method.

| Product Code | Tubing Type | Tubing Length | Product Length | Prime Volume | Qty/Box |
|--------------|-------------|---------------|----------------|--------------|---------|
| KS-IV301     | DEHP-FREE   | 143 cm        | 158 cm         | 21.0 ml      | 30      |
| KS-IV301-PF  | PVC-FREE    |               |                |              |         |



**IV Infusion Set** with Flow Regulator and 0.2-micron IV Filter, Y-Site Injection Port, Transparent Large-Bore (3.0x4.1mm) Tubing

■ Suitable for gravity infusion method.

| Product Code   | Tubing Type | Tubing Length | Product Length | Priming Volume | Qty/Box |
|----------------|-------------|---------------|----------------|----------------|---------|
| KS-IV302-02    | DEHP-FREE   | 180 cm        | 198 cm         | 25.4 ml        | 30      |
| KS-IV302-PF-02 | PVC-FREE    |               |                |                |         |



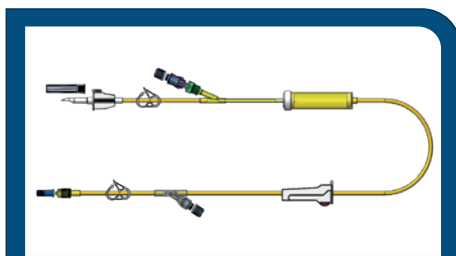
**IV Infusion Set** with Flow Regulator and 1.2-micron IV Filter, Y-Site Injection Port, Transparent Large-Bore (3.0x4.1mm) Tubing

■ Suitable for gravity infusion method.

| Product Code   | Tubing Type | Tubing Length | Product Length | Prime Volume | Qty/Box |
|----------------|-------------|---------------|----------------|--------------|---------|
| KS-IV303-12    | DEHP-FREE   | 180 cm        | 198 cm         | 25.4 ml      | 30      |
| KS-IV303-PF-12 | PVC-FREE    |               |                |              |         |

# IV Infusion ve Multiplexer Sets

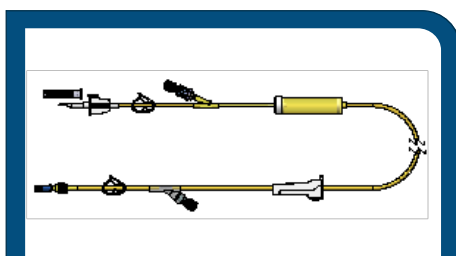
## · IV Chemotherapy Infusion Sets - 1 Way



**IV Chemotherapy Infusion Set** 1-Way Needle-Free Connector with Check-Valve, Needle-Free Y-Connection Port, Light-Protected Large-Bore (3.0x4.1mm) Tubing

■ Compatible with universal infusion pumps.

| Product Code | Tubing Type | Prime Volume | Tubing Length | Product Length | Qty/Box |
|--------------|-------------|--------------|---------------|----------------|---------|
| KS-IV101     | DEHP-FREE   | 27 ml        | 212 cm        | 222 cm         | 30      |
| KS-IV101-PF  | PVC-FREE    |              |               |                |         |



**IV Chemotherapy Infusion Set** 1-Way Needle-Free Connector, Needle-Free Y-Connection Port, Light-Protected Large-Bore (3.0x4.1mm) Tubing

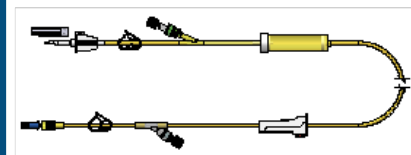
■ Compatible with universal infusion pumps.

| Product Code | Tubing Type | Prime Volume | Tubing Length | Product Length | Qty/Box |
|--------------|-------------|--------------|---------------|----------------|---------|
| KS-IV102     | DEHP-FREE   | 25 ml        | 212 cm        | 222 cm         | 30      |
| KS-IV102-PF  | PVC-FREE    |              |               |                |         |



# IV Infusion ve Multiplexer Sets

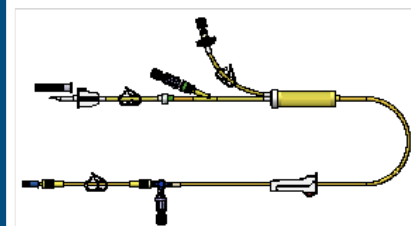
## · IV Chemotherapy Infusion Sets - 1 Way



**IV Chemotherapy Infusion Set 1-Way Connector with Check-Valve, Needle-Free Y-Connection Port, Light-Protected Large-Bore (3.0x4.1mm) Tubing**

- Compatible with universal infusion pumps.

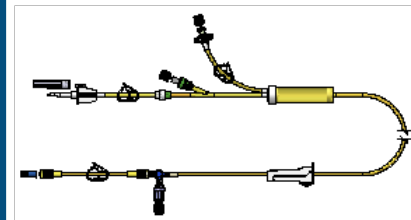
| Product Code | Tubing Type | Prime Volume | Tubing Length | Product Length | Qty/Box |
|--------------|-------------|--------------|---------------|----------------|---------|
| KS-IV103     | DEHP-FREE   | 25 ml        | 212 cm        | 222 cm         | 30      |
| KS-IV103-PF  | PVC-FREE    |              |               |                |         |



**IV Chemotherapy Infusion Set 1-Way Needle-Free Connector with Check-Valve, Needle-Free Stopcock T-Connector Port, Safety Check-Valve On-Line, Transducer Line, Light-Protected Large-Bore (3.0x4.1mm) DEHP-Free Tubing**

- Compatible with universal infusion pumps.

| Product Code | Tubing Type | Prime Volume | Tubing Length | Product Length | Qty/Box |
|--------------|-------------|--------------|---------------|----------------|---------|
| KS-IV104     | DEHP-FREE   | 25 ml        | 212 cm        | 222 cm         | 30      |
| KS-IV104-PF  | PVC-FREE    |              |               |                |         |



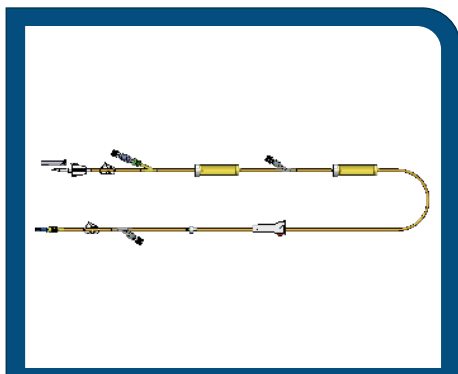
**IV Chemotherapy Infusion Set 1-Way Connector with Check-Valve, Needle-Free Stopcock T-Connector Port, Safety Check-Valve On-Line, Transducer Line, Light-Protected Large-Bore (3.0x4.1mm) DEHP-Free Tubing**

- Compatible with universal infusion pumps.

| Product Code | Tubing Type | Prime Volume | Tubing Length | Product Length | Qty/Box |
|--------------|-------------|--------------|---------------|----------------|---------|
| KS-IV105     | DEHP-FREE   | 25 ml        | 212 cm        | 222 cm         | 30      |
| KS-IV105-PF  | PVC-FREE    |              |               |                |         |

# IV Infusion ve Multiplexer Sets

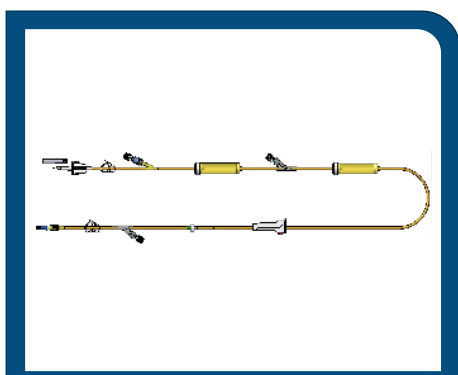
## · IV Chemotherapy Infusion Sets - 1 Way



**IV Chemotherapy Infusion Set** 1-Way Needle-Free Connector with Check-Valve, 2xNeedle-Free Y-Connection Port, 2xDrip Chamber, Light-Protected Large-Bore (3.0x4.1mm) DEHP-Free Tubing

- Compatible with universal infusion pumps.

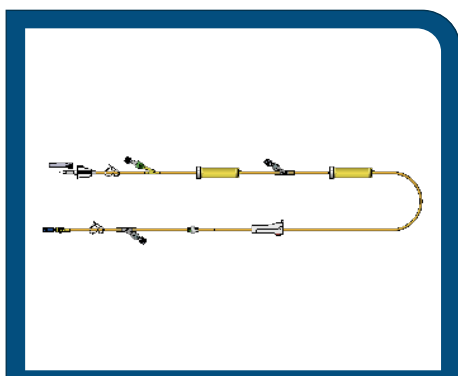
| Product Code | Tubing Type | Prime Volume | Tubing Length | Product Length | Qty/Box |
|--------------|-------------|--------------|---------------|----------------|---------|
| KS-IV106     | DEHP-FREE   | 42 ml        | 245 cm        | 255 cm         | 30      |
| KS-IV106-PF  | PVC-FREE    |              |               |                |         |



**IV Chemotherapy Infusion Set** 1-Way Needle-Free Connector, 2xNeedle-Free Y-Connection Port, 2xDrip Chamber, Light-Protected Large-Bore (3.0x4.1mm) DEHP-Free Tubing

- Compatible with universal infusion pumps.

| Product Code | Tubing Type | Prime Volume | Tubing Length | Product Length | Qty/Box |
|--------------|-------------|--------------|---------------|----------------|---------|
| KS-IV107     | DEHP-FREE   | 43 ml        | 245 cm        | 255 cm         | 30      |
| KS-IV107-PF  | PVC-FREE    |              |               |                |         |



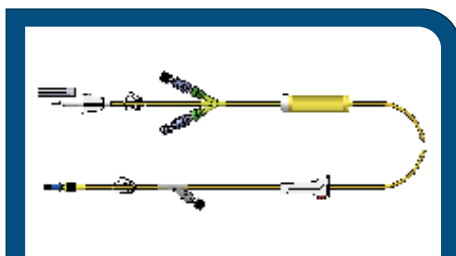
**IV Chemotherapy Infusion Set** 1-Way Connector with Check-Valve, 2xNeedle-Free Y-Connection Port, 2xDrip Chamber, Light-Protected Large-Bore (3.0x4.1mm) DEHP-Free Tubing

- Compatible with universal infusion pumps.

| Product Code | Tubing Type | Prime Volume | Tubing Length | Product Length | Qty/Box |
|--------------|-------------|--------------|---------------|----------------|---------|
| KS-IV108     | DEHP-FREE   | 43 ml        | 245 cm        | 255 cm         | 30      |
| KS-IV108-PF  | PVC-FREE    |              |               |                |         |

# IV Infusion ve Multiplexer Sets

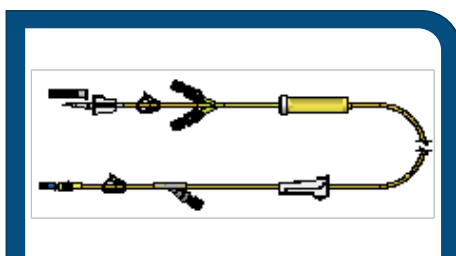
## · IV Chemotherapy Infusion Sets - 2 Way



**IV Chemotherapy Infusion Set 2-Way Needle-Free Connector with Check-Valve, Needle-Free Y-Connection Port, Light-Protected Large-Bore (3.0x4.1mm) DEHP-Free Tubing**

■ Compatible with universal infusion pumps.

| Product Code | Tubing Type | Prime Volume | Tubing Length | Product Length | Qty/Box |
|--------------|-------------|--------------|---------------|----------------|---------|
| KS-IV201     | DEHP-FREE   | 29 ml        | 212 cm        | 222 cm         | 30      |
| KS-IV201-PF  | PVC-FREE    |              |               |                |         |



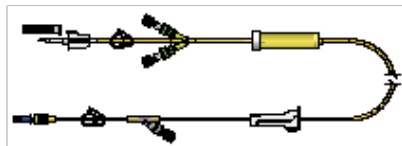
**IV Chemotherapy Infusion Set 2-Way Needle-Free Connector, Needle-Free Y-Connection Port, Light-Protected Large-Bore (3.0x4.1mm) DEHP-Free Tubing**

■ Compatible with universal infusion pumps.

| Product Code | Tubing Type | Prime Volume | Tubing Length | Product Length | Qty/Box |
|--------------|-------------|--------------|---------------|----------------|---------|
| KS-IV202     | DEHP-FREE   | 26 ml        | 212 cm        | 222 cm         | 30      |
| KS-IV202-PF  | PVC-FREE    |              |               |                |         |

# IV Infusion ve Multiplexer Sets

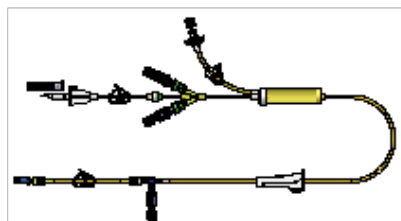
## · IV Chemotherapy Infusion Sets - 2 Way



**IV Chemotherapy Infusion Set 2-Way Connector with Check-Valve, Needle-Free Y-Connection Port, Light-Protected Large-Bore (3.0x4.1mm) DEHP-Free Tubing**

- Compatible with universal infusion pumps.

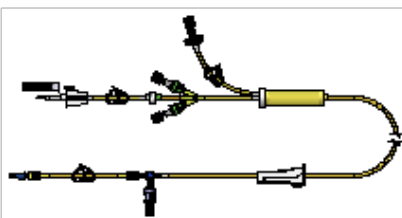
| Product Code | Tubing Type | Prime Volume | Tubing Length | Product Length | Qty/Box |
|--------------|-------------|--------------|---------------|----------------|---------|
| KS-IV203     | DEHP-FREE   | 27 ml        | 212 cm        | 222 cm         | 30      |
| KS-IV203-PF  | PVC-FREE    |              |               |                |         |



**IV Chemotherapy Infusion Set 2-Way Needle-Free Connector with Check-Valve, Needle-Free Stopcock T-Connector Port, Safety Check-Valve On-Line, Transducer Line, Light-Protected Large-Bore (3.0x4.1mm) DEHP-Free Tubing**

- Compatible with universal infusion pumps.

| Product Code | Tubing Type | Prime Volume | Tubing Length | Product Length | Qty/Box |
|--------------|-------------|--------------|---------------|----------------|---------|
| KS-IV204     | DEHP-FREE   | 27 ml        | 212 cm        | 222 cm         | 30      |
| KS-IV204-PF  | PVC-FREE    |              |               |                |         |



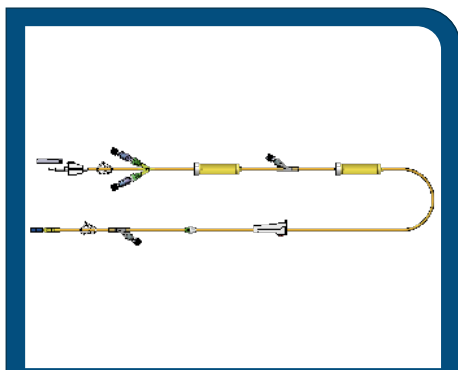
**IV Chemotherapy Infusion Set 2-Way Connector with Check-Valve, Needle-Free Stopcock T-Connector Port, Safety Check-Valve On-Line, Transducer Line, Light-Protected Large-Bore (3.0x4.1mm) DEHP-Free Tubing**

- Compatible with universal infusion pumps.

| Product Code | Tubing Type | Prime Volume | Tubing Length | Product Length | Qty/Box |
|--------------|-------------|--------------|---------------|----------------|---------|
| KS-IV205     | DEHP-FREE   | 27 ml        | 212 cm        | 222 cm         | 30      |
| KS-IV205-PF  | PVC-FREE    |              |               |                |         |

# IV Infusion ve Multiplexer Sets

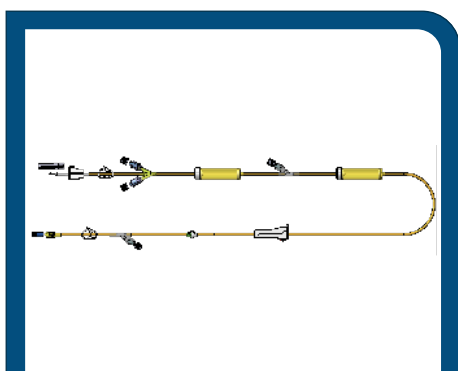
## · IV Chemotherapy Infusion Sets - 2 Way



**IV Chemotherapy Infusion Set 2-Way Needle-Free Connector with Check-Valve, 2x Needle-Free Y-Connection Port, 2xDrip Chamber, Light-Protected Large-Bore (3.0x4.1mm) DEHP-Free Tubing**

■ Compatible with universal infusion pumps.

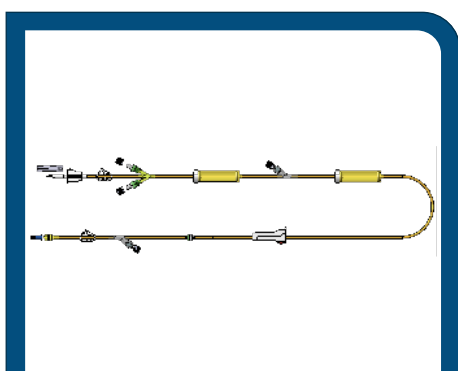
| Product Code | Tubing Type | Prime Volume | Tubing Length | Product Length | Qty/Box |
|--------------|-------------|--------------|---------------|----------------|---------|
| KS-IV206     | DEHP-FREE   | 43 ml        | 245 cm        | 255 cm         | 30      |
| KS-IV206-PF  | PVC-FREE    |              |               |                |         |



**IV Chemotherapy Infusion Set 2-Way Needle-Free Connector, 2x Needle-Free Y-Connection Port, 2xDrip Chamber, Light-Protected Large-Bore (3.0x4.1mm) DEHP-Free Tubing**

■ Compatible with universal infusion pumps.

| Product Code | Tubing Type | Prime Volume | Tubing Length | Product Length | Qty/Box |
|--------------|-------------|--------------|---------------|----------------|---------|
| KS-IV207     | DEHP-FREE   | 44 ml        | 245 cm        | 255 cm         | 30      |
| KS-IV207-PF  | PVC-FREE    |              |               |                |         |



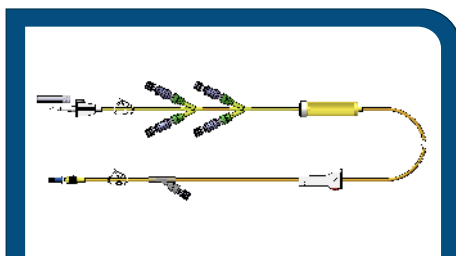
**IV Chemotherapy Infusion Set 2-Way Connector with Check-Valve, 2x Needle-Free Y-Connection Port, 2xDrip Chamber, Light-Protected Large-Bore (3.0x4.1mm) DEHP-Free Tubing**

■ Compatible with universal infusion pumps.

| Product Code | Tubing Type | Prime Volume | Tubing Length | Product Length | Qty/Box |
|--------------|-------------|--------------|---------------|----------------|---------|
| KS-IV208     | DEHP-FREE   | 44 ml        | 245 cm        | 255 cm         | 30      |
| KS-IV208-PF  | PVC-FREE    |              |               |                |         |

# IV Infusion ve Multiplexer Sets

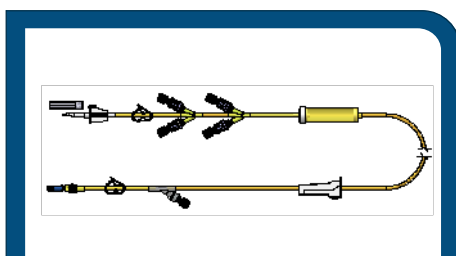
## · IV Chemotherapy Infusion Sets - 4 Way



**IV Chemotherapy Infusion Set** 4-Way Needle-Free Connector with Check-Valve, Needle-Free Y-Connection Port, Light-Protected Large-Bore (3.0x4.1mm) DEHP-Free Tubing

■ Compatible with universal infusion pumps.

| Product Code | Tubing Type | Prime Volume | Tubing Length | Product Length | Qty/Box |
|--------------|-------------|--------------|---------------|----------------|---------|
| KS-IV401     | DEHP-FREE   | 34 ml        | 217 cm        | 227 cm         | 30      |
| KS-IV401-PF  | PVC-FREE    |              |               |                |         |



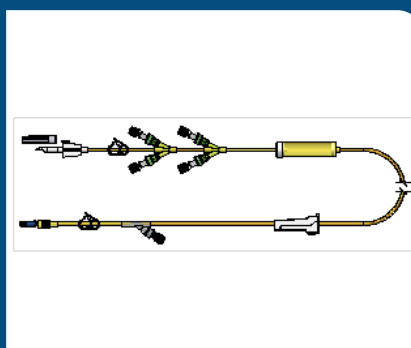
**IV Chemotherapy Infusion Set** 4-Way Needle-Free Connector, Needle-Free Y-Connection Port, Light-Protected Large-Bore (3.0x4.1mm) DEHP-Free Tubing

■ Compatible with universal infusion pumps.

| Product Code | Tubing Type | Prime Volume | Tubing Length | Product Length | Qty/Box |
|--------------|-------------|--------------|---------------|----------------|---------|
| KS-IV402     | DEHP-FREE   | 28 ml        | 217 cm        | 227 cm         | 30      |
| KS-IV402-PF  | PVC-FREE    |              |               |                |         |

# IV Infusion ve Multiplexer Sets

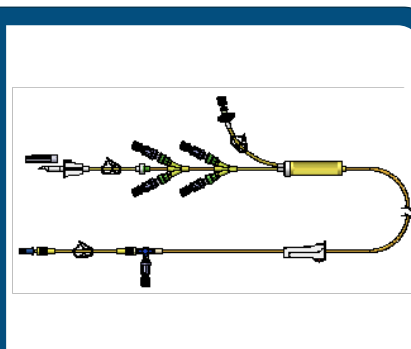
## · IV Chemotherapy Infusion Sets - 4 Way



**IV Chemotherapy Infusion Set** 4-Way Connector with Check-Valve, Needle-Free Y-Connection Port, Light-Protected Large-Bore (3.0x4.1mm) DEHP-Free Tubing

■ Compatible with universal infusion pumps.

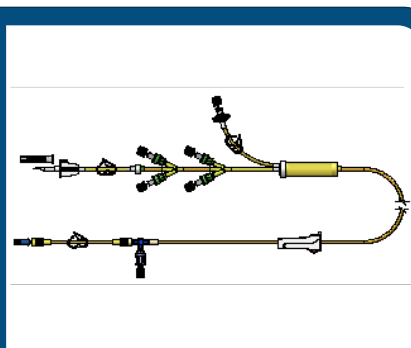
| Product Code | Tubing Type | Prime Volume | Tubing Length | Product Length | Qty/Box |
|--------------|-------------|--------------|---------------|----------------|---------|
| KS-IV403     | DEHP-FREE   | 32 ml        | 217 cm        | 227 cm         | 30      |
| KS-IV403-PF  | PVC-FREE    |              |               |                |         |



**IV Chemotherapy Infusion Set** 4-Way Needle-Free Connector with Check-Valve, Needle-Free Stopcock T-Connector Port, Safety Check-Valve On-Line, Transducer Line, Light-Protected Large-Bore (3.0x4.1mm) DEHP-Free Tubing

■ Compatible with universal infusion pumps.

| Product Code | Tubing Type | Prime Volume | Tubing Length | Product Length | Qty/Box |
|--------------|-------------|--------------|---------------|----------------|---------|
| KS-IV404     | DEHP-FREE   | 32.0 ml      | 217 cm        | 227 cm         | 30      |
| KS-IV404-PF  | PVC-FREE    |              |               |                |         |



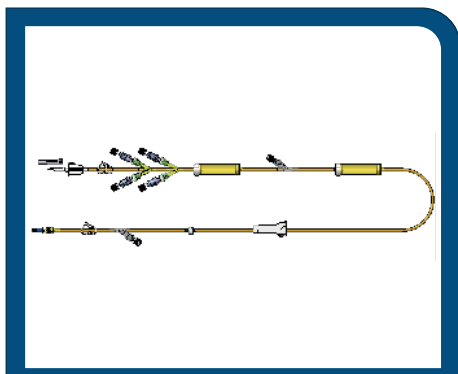
**IV Chemotherapy Infusion Set** 4-Way Connector with Check-Valve, Needle-Free Stopcock T-Connector Port, Safety Check-Valve On-Line, Transducer Line, Light-Protected Large-Bore (3.0x4.1mm) DEHP-Free Tubing

■ Compatible with universal infusion pumps.

| Product Code | Tubing Type | Prime Volume | Tubing Length | Product Length | Qty/Box |
|--------------|-------------|--------------|---------------|----------------|---------|
| KS-IV405     | DEHP-FREE   | 32 ml        | 217 cm        | 227 cm         | 30      |
| KS-IV405-PF  | PVC-FREE    |              |               |                |         |

# IV Infusion ve Multiplexer Sets

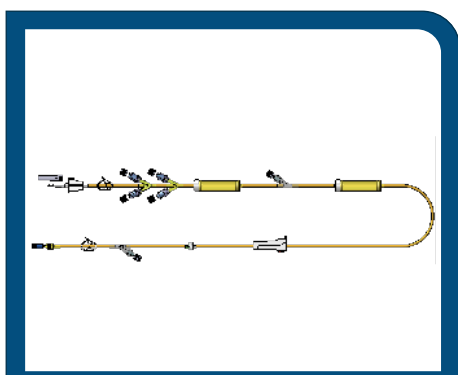
## · IV Chemotherapy Infusion Sets - 4 Way



**IV Chemotherapy Infusion Set 4-Way Needle-Free Connector with Check-Valve, 2xNeedle-Free Y-Connection Port, 2xDrip Chamber, Light-Protected Large-Bore (3.0x4.1mm) DEHP-Free Tubing**

■ Compatible with universal infusion pumps.

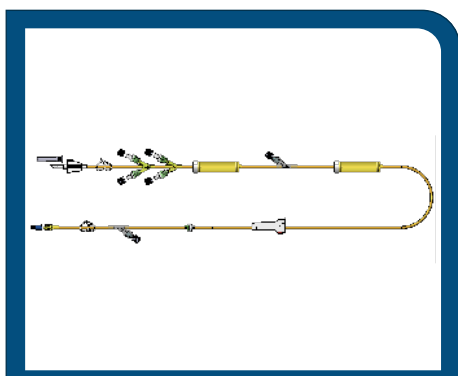
| Product Code | Tubing Type | Prime Volume | Tubing Length | Product Length | Qty/Box |
|--------------|-------------|--------------|---------------|----------------|---------|
| KS-IV406     | DEHP-FREE   | 45 ml        | 250 cm        | 260 cm         | 30      |
| KS-IV406-PF  | PVC-FREE    |              |               |                |         |



**IV Chemotherapy Infusion Set 4-Way Needle-Free Connector, 2xNeedle-Free Y-Connection Port, 2xDrip Chamber, Light-Protected Large-Bore (3.0x4.1mm) DEHP-Free Tubing**

■ Compatible with universal infusion pumps.

| Product Code | Tubing Type | Prime Volume | Tubing Length | Product Length | Qty/Box |
|--------------|-------------|--------------|---------------|----------------|---------|
| KS-IV407     | DEHP-FREE   | 46 ml        | 250 cm        | 260cm          | 30      |
| KS-IV407-PF  | PVC-FREE    |              |               |                |         |



**IV Chemotherapy Infusion Set 4-Way Connector with Check-Valve, 2xNeedle-Free Y-Connection Port, 2xDrip Chamber, Light-Protected Large-Bore (3.0x4.1mm) DEHP-Free Tubing**

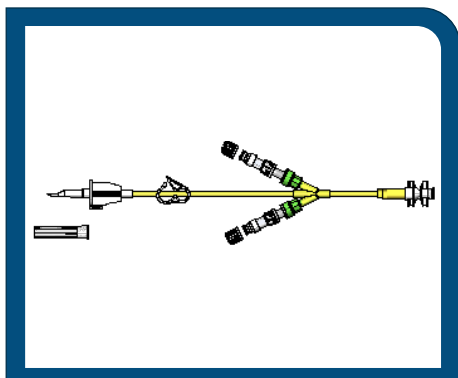
■ Compatible with universal infusion pumps.

| Product Code | Tubing Type | Prime Volume | Tubing Length | Product Length | Qty/Box |
|--------------|-------------|--------------|---------------|----------------|---------|
| KS-IV408     | DEHP-FREE   | 46 ml        | 250 cm        | 260 cm         | 30      |
| KS-IV408-PF  | PVC-FREE    |              |               |                |         |



# IV Infusion ve Multiplexer Sets

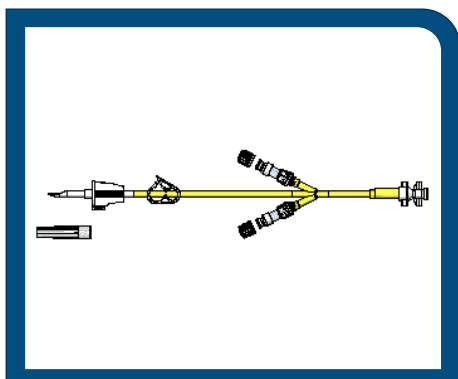
## · IV Chemotherapy Multiplexer Sets - 2 Way



**IV Infusion Multiplexer Set 2-Way with Needle-Free and Check-Valve, Light-Protected Large-Bore (3.0x4.1mm) DEHP-Free Tubing**

- Used as 2-way multiplexer of IV chemotherapy infusion sets. Compatible with universal infusion pumps.

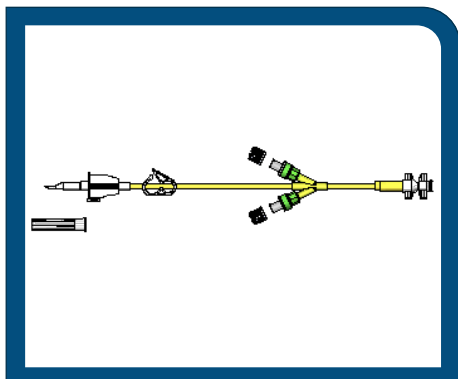
| Product Code | Tubing Type | Prime Volume | Tubing Length | Qty/Box |
|--------------|-------------|--------------|---------------|---------|
| KS-IV201A    | DEHP-FREE   | 0.9 ml       | 22 cm         | 50      |
| KS-IV201A-PF | PVC-FREE    |              |               |         |



**IV Infusion Multiplexer Set 2-Way with Needle-Free, Light-Protected Large-Bore (3.0x4.1mm) DEHP-Free Tubing**

- Used as 2-way multiplexer of IV chemotherapy infusion sets. Compatible with universal infusion pumps.

| Product Code | Tubing Type | Prime Volume | Tubing Length | Qty/Box |
|--------------|-------------|--------------|---------------|---------|
| KS-IV202A    | DEHP-FREE   | 0.5 ml       | 22 cm         | 50      |
| KS-IV202A-PF | PVC-FREE    |              |               |         |



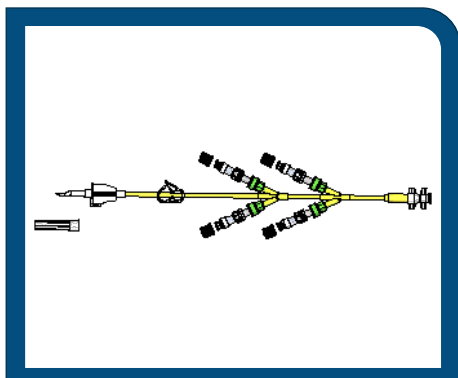
**IV Infusion Multiplexer Set 2-Way with Check-Valve, Light-Protected Large-Bore (3.0x4.1mm) DEHP-Free Tubing**

- Used as 2-way multiplexer of IV chemotherapy infusion sets. Compatible with universal infusion pumps.

| Product Code | Tubing Type | Prime Volume | Tubing Length | Qty/Box |
|--------------|-------------|--------------|---------------|---------|
| KS-IV203A    | DEHP-FREE   | 0.7 ml       | 22 cm         | 50      |
| KS-IV203A-PF | PVC-FREE    |              |               |         |

# IV Infusion ve Multiplexer Sets

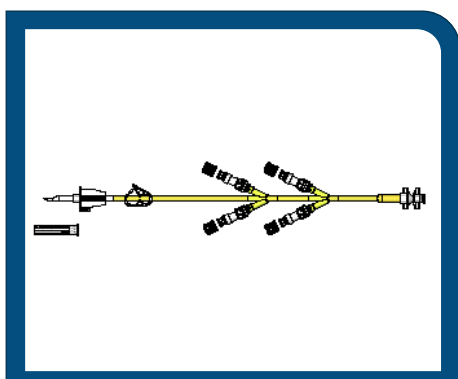
## · IV Chemotherapy Multiplexer Sets - 4 Way



**IV Infusion Multiplexer Set** 4-Way with Needle-Free and Check-Valve, Light-Protected Large-Bore (3.0x4.1mm) DEHP-Free Tubing

- Used as 4-way multiplexer of IV chemotherapy infusion sets. Compatible with universal infusion pumps.

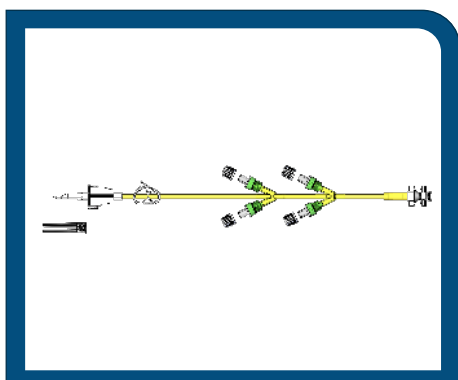
| Product Code | Tubing Type | Prime Volume | Tubing Length | Qty/Box |
|--------------|-------------|--------------|---------------|---------|
| KS-IV401A    | DEHP-FREE   | 1.3 ml       | 27 cm         | 50      |
| KS-IV401A-PF | PVC-FREE    |              |               |         |



**IV Infusion Multiplexer Set** 4-Way with Needle-Free, Light-Protected Large-Bore (3.0x4.1mm) DEHP-Free Tubing

- Used as 4-way multiplexer of IV chemotherapy infusion sets. Compatible with universal infusion pumps.

| Product Code | Tubing Type | Prime Volume | Tubing Length | Qty/Box |
|--------------|-------------|--------------|---------------|---------|
| KS-IV402A    | DEHP-FREE   | 1.0 ml       | 27 cm         | 50      |
| KS-IV402A-PF | PVC-FREE    |              |               |         |



**IV Infusion Multiplexer Set** 4-Way with Check-Valve, Light-Protected Large-Bore (3.0x4.1mm) DEHP-Free Tubing

- Used as 4-way multiplexer of IV chemotherapy infusion sets. Compatible with universal infusion pumps.

| Product Code | Tubing Type | Prime Volume | Tubing Length | Qty/Box |
|--------------|-------------|--------------|---------------|---------|
| KS-IV403A    | DEHP-FREE   | 1.0 ml       | 27 cm         | 50      |
| KS-IV403A-PF | PVC-FREE    |              |               |         |

# Infusion Pump

Kapsam Infusion Pump is a high-sensitive volumetric pump which implements its infusion function through a microprocessor. It accurately controls the stepping motor to produce the forces through a mechanical transmission device to spur the peristaltic sheets.



## Features

### Auto-Lock Screen

- Up to 11 levels time setting; Prevention for operation errors.

### Dual CPU

- Guarantee for safe work.

### Human Voice Alarm

- Exclusive technology; Combination of human voice, readable words and visual light alarm; 8 volume levels are available.

### History Record Cassette

- Up to 2000 records, including operation, alarm and modification; Trackable treatments are ensured.

### Certification

- Certified by TÜV Rheinland and EN ISO13485: 2016

### Night Mode

- Design for nighttime safe operation.

### System Self-Test

- System self-test is conducted every time turning on, including alarm indicator, volume, pressure, air bubbles, etc; Safeguard for every-time use.

### WLAN Function

- Capable of communicating with information management system; Remotely monitor patient's condition in real time some models.

# Syringe Pump

Kapsam Syringe Pump is a high-sensitive volumetric pump which implements its infusion function through a microprocessor. It accurately controls the stepping motor to produce the forces through a mechanical transmission device to push the syringe piston.



## Features

### Auto-Lock Screen

- Up to 11 levels time setting; Prevention for operation errors.

### Dual CPU

- Guarantee for safe work.

### Human Voice Alarm

- Exclusive technology; Combination of human voice, readable words and visual light alarm; 8 volume levels are available.

### History Record Cassette

- Up to 2000 records, including operation, alarm and modification; Trackable treatments are ensured.

### Certification

- Certified by TÜV Rheinland and EN ISO13485:2016

### Night Mode

- Design for nighttime safe operation.

### System Self-Test

- System self-test is conducted every time turning on, including alarm indicator, volume, pressure, air bubbles, etc; Safeguard for every-time use.

### WLAN Function

- Capable of communicating with information management system; Remotely monitor patient's condition in real time some models.





## Comprehensive Solutions for Sterile Compounding & IV Infusion

- Automated IV Compounding Systems (TPN / ONCO / CIVA)
- Automated Fluid Dispensing Pump
- Pharmacy Operation & Order Entry Software (CPOE)
- IV Workflow Management System (IV-WMS)
- IV Compounding & Infusion Disposables
- Modular Cleanrooms & Accessories
- Biosafety & LAF Cabinets & Waste Sealing System



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