

KS-240

Automated TPN Compounding System



 Kapsam

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AUTOMATED TPN
COMPOUNDING SYSTEM



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Proven TPN Compounding Technology With Outstanding New Features

Preparing multi-ingredient compounded sterile preparations such as parenteral nutrition is one of the most complex and error-prone operations of your pharmacy. Thanks to its state-of-the-art features, KS-240 enhances efficiency and safety by providing an ideal workflow in this critical process.



Designed to Provide an Ideal Compounding Workflow



Enhances



- Patient safety
- Traceability
- Workflow speed
- Quality assurance
- Flexibility
- Compliance
- ROI

Prevents



- Ordering errors
- Compounding errors
- Manual additions
- Touch-contamination
- Drug loss
- Needle-based injuries
- UV light effects

KS-240

Key Features & Benefits



Rapid and Precise Compounding

- 24 different ingredients mixing capacity
- Micro-volume dispensing (as low as 0.2 mL)
- Rapid volumetric delivery (up to 1400 mL/min)
- Internal gravimetric check with highly precise scale
- Built-in air and occlusion detection sensors
- Audial and visual warnings
- Detection and prevention of incompatible ingredients
- 2014/35/EU, ASHP, ASPEN and USP797 compliance

Easy and Safe Operation

- New rack unit design that fits all container types
- Easy to install, setup and clean
- Benchtop design with a small footprint
- 12.1" capacitive touch screen with a modern interface
- Electronic Y-site feature to reduce bag changeovers
- Auto-priming of all channels
- Manual-addition management tool
- Advanced remote troubleshooting capability
- Color-coordinated, numbered and barcoded inlet and container labels



Advanced Software and Automation


- Wireless barcode reader verification and LOT tracking
- Bidirectional communication with NutriSoft CPOE software
- Integration with HIS/EHR and pharmacy order entry systems
- Windows 10 Pro OS compatibility
- Built-in Wi-Fi and ethernet LAN connection options
- Centralized multiple device operation
- 24/7 technical support with remote access
- Pre & final bag label printout from compounder or network printer



NutriSoft

TPN Order Entry and Calculation Software



HEALTHCARE FACILITY		TPN Container
Name:	Test	
Serials:	Adult 1	ID# 00003
Order #:	TPN1074	Dosage/Weight: 100 Kg
Bag #:	8	Delivery Time: 02.02.2022 12:00
Rate:	114.41 mL/hr	Volume: 1372.92 mL
Template:	All-Ser+Mo-Vd	Time: 24 hours
USE A CENTRAL OR PERIPHERAL LINE:		
Ingredients	Per Day	Order Volume
SWFI	490.00 mL/c	490.00 mL
Dextrose 10%	490.00 mL/c	490.00 mL
Dextrose 5%	395.00 mL/c	395.00 mL
Amifolup 10%	200.00 mL/c	200.00 mL
SODIUM CHLORIDE 4mEq/mL	30.00 mEq/c	7.50 mL
POTASSIUM CHLORIDE 2mEq/mL	6.00 mEq/c	3.00 mL
CALCIUM GLUCONATE 10%	5.00 mEq/c	18.75 mL
Mg Sulfate 10%	2.00 mEq/c	5.67 mL
 TPN1074		
Order Volume:	1372.92 mL	Compound: 1372.92 mL
Prep By:		Overfill: 0.00 mL
Release Expires:	04.02.2022 12:00	Hang By: _____



NutriSoft helps clinicians to simplify and optimize complex and time-consuming TPN order entry and calculation process. It prevents drug incompatibility risks and transcription errors with advanced integration, calculation, warning and labeling tools.

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

Disposables

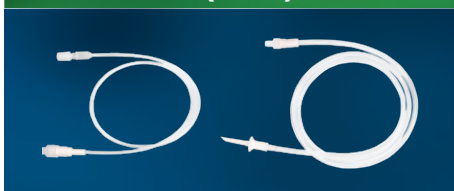
In our wide portfolio you can find all needed DEHP-Latex free disposables from transfer sets to EVA infusion bags and IV filters.

Valve Set and Calibration Bag



- Used for combining all transfer inlets to provide liquid transfer from source containers through EVA infusion bag.
- Included with calibration/flushing bag and inlet stickers.

Transfer Sets (Inlets)



- Used as a transfer line between valve set and the source containers.
- Available in 5 different types as compatible with bottles, bags, vials and syringes.

EVA Infusion Bags



- Transparent / UV-protected EVA material
- Single and dual chamber options
- Available sizes from 150ml to 5000ml
- Contains luer, spike and needle injection ports

Extension Lines and Filters



- 0.2 and 1.2 micron filter types
- Various single and multiple small bore configurations
- Integrated with needle free ven-valve and check-valve
- UV light-protected

Technical Information

Weight:	34.5 kg (fully assembled)
Dimensions (w x d x h):	76.7 x 52.5 x 46.0 cm
Minimum Dispensing Volume:	0.2 mL (with 0.01 mL increments)
Maximum Dispensing Speed:	1400 mL/min (23.5 ml/sec)
Accuracy:	± 10% at 0.2 mL, ± 5% at 0.4 mL, ± 2% at 1 mL, ± 1% above 2 mL
Power:	AC 100-240V, 50/60Hz, 120W, Single Phase
Regulatory Compliance:	2014/35/EU low voltage and 2014/30/EU electromagnetic compatibility in accordance with TS EN 60601-1, TS EN 61010-1 and TS EN 61326-1



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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