

PharmaScope Onco

Automated IV Chemotherapy Compounding System



A New Aspect in Hazardous Drug Compounding

PharmaScope Onco offers a new cost-effective and innovative IV chemotherapy compounding solution that provides accurate dosing for patient safety and protects the operators and the environment from the negative effects of hazardous drugs.



Safe and Smart Technology Empowered by all-in-one Automation

Air Treatment Area

- ISO Class 5 aseptic environment with vertical air flow
- 100% air exhausting under negative pressure
- Eco-friendly structure with H14 type HEPA filters
- Built-in ultraviolet (UV) disinfection
- Stand-by mode for energy saving
- Automation system indicators, visual-audial warnings
- Tested and certified by accredited laboratories
- Class II Type B2 biological safety in compliance with ISO12469, USP797/800 and GMP requirements

Compounding Area

- Rapid drug transfer (up to 40 preparation/hour)
- Two syringe pump units for drug reconstitution and pre-filling
- Shaker unit with adjustable speed
- Scale unit for instant gravimetric control
- Multi-user workspace to increase productivity
- Extremely low drug loss with line purging function
- Needle-free closed system disposables
- Micro volumetric delivery (as low as 0.2 mL)
- Compatible with infusion bags, syringes, elastomeric pumps, cassettes and all vial types

Air Treatment Area

Compounding Area

User Interface Area

Waste Management Area



User Interface Area

- Windows 10 built-in touch screen interface
- Label printer for final verification print-out
- Built-in Wi-Fi and ethernet LAN connection options
- 24/7 technical support with remote access
- Wireless barcode reader for product identification and verification

Waste Management Area

- Touch screen control panel for easy operation
- Waste level detection and auto pressing-sealing of waste bin
- Continuous exhausting of contaminated air
- Button-activated dual sliding waste barrier to prevent toxic exposure

PharmaScope Onco

Key Features & Benefits



Accuracy

Provides precise volumetrical delivery and instant gravimetrical control with overdose prevention and dose verification system.

Traceability

Ensures a traceable workflow from order entry to bed-site including every single patient dose and user steps. Provides advanced drug/container inventory management with unique barcodes for each drug and container

Error Elimination

Prevents human-based errors with ultimate security features. Double-stage final container labeling, visual drug recognition, and barcode verification ensure correct dose delivery to the correct patient.

Safe Working Area

Provides ultimate protection with biosafety compliance for operators and the environment. Automated waste management ensures safe disposal.

Safe Disposables

Prevents hazardous drug exposures and needle-based injuries with closed system disposables. Kapsam's broad portfolio covers all needed disposables for compounding and infusion areas.

Economy

Requires low investment cost compared with highly-expensive and complex robotic systems. Reduces drug losses considerably with line purging feature, low priming, and using partially-used drugs.

Flexibility

Suitable to fit inside a standard cleanroom. Configurable for specific compounding practices, workflows, and clinical needs. Mobile-benchtop version is also available to fit inside a regular biosafety cabinet.

Connectivity

Integration capability with HIS/EHR and pharmacy order entry systems via HL7 or other protocols. Built-in Wi-Fi and Ethernet LAN connection.

PharmaScope Soft

Pharmacy Workflow Management Software



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.

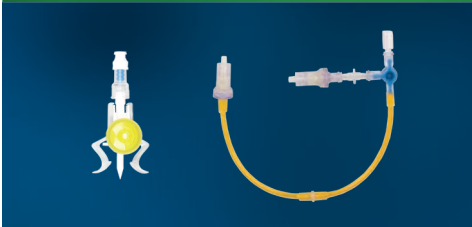
Key Features

- 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

Disposables

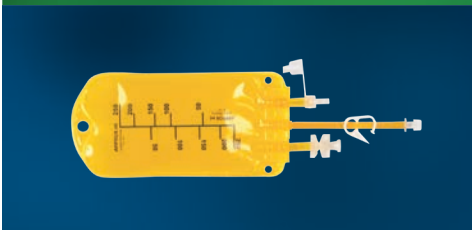
In our wide portfolio you can find all needed DEHP-Latex free disposables from drug transfer sets to bags and extension/infusion sets.

Drug Transfer Sets and Connectors



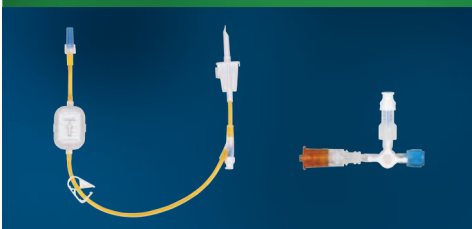
- High accuracy and safety with needle-free connections
- Minimum drug loss with low-priming volume
- Custom-design peristaltic/syringe pump sets
- Vial and syringe adaptors

EVA Infusion Bags



- UV-protected EVA material
- Chemotherapy warning sticker
- Available sizes from 150ml to 1000ml
- Luer, spike and needle injection ports

IV Extension and Infusion Sets



- UV light-protected
- Y-site needle-free connection for auto/manual drug transfer
- Extension lines with 0.2 micron filter, y-site and check-valve options
- Infusion sets with various 1-2-4 way combinations

Technical Information

Weight:

500 kg (Fully assembled)

Dimensions (w x d x h):

182 x 46 x 55 cm (Internal) / 210 x 82 x 236 cm (External)

Minimum Clearance (w x d x h):

300 x 180 x 250 cm

Power:

900VA (Except exhaust motor), 220 VAC 50/60 Hz, 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. Microbiological safety compatibility in accordance with ISO 12469.





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



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