



# STERILE CONNECTING DEVICE



Quality, Management, Environment, Health & Safety Standards



CDSCO Certified



USFDA Listed



European CE



ISO 13485:  
NABCB/IAF



ISO 9001: IAF



7 Electric Safety  
Certifications

## INTRODUCTION

MarkEn Sterile Connecting Device (SCD), a next-generation Device engineered for rapid, safe, and high-quality closed-system connections of medical-grade PVC tubing. This compact, high-utility device is built for use in blood banks, transfusion centres, hospitals, and stem cell labs, where sterility, reliability, and efficiency are paramount.



## KEY FEATURES

### Touchscreen User Interface

- 10 inch Full-colour glove-compatible touchscreen with guided prompts for seamless operation across various clinical settings.

### Compact, Mobile Design

- Sleek, space-saving, and lightweight construction enables easy mobility and flexible placement without compromising performance.

### Enhanced Ergonomics and Cleaning

- Easy-clean tube holders, and front-facing blade drawers for hassle-free maintenance.

### Easiness to Use

- Three-step operation with automatic detection of all stage ensuring fast, safe, and error-free use.

### Clamps

- Engineered for wet-to-wet tubing compatibility with automated tube recognition, the system ensures zero biomedical residue post-weld.

### Standard Accessories

- AC power cable, Bag supports, Fuses (250 V / 4.0 A)

## Applications of the Sterile Connecting Device

- The device is designed for a wide range of clinical and laboratory procedures involving closed-system PVC tubing. Its versatile functionality supports
  1. Component Pooling
  2. Leukoreduction
  3. Collection Set Modification
  4. Component Aliquoting
  5. Apheresis Set Modification
  6. Quality Control Sampling
  7. Stem Cell Processing
  8. Cell Washing and Freezing
  9. Other Procedures involving sterile, closed-system PVC tubing connections

## CERTIFICATIONS

Quality, Environment & Safety Management Standards & Compliances : USFDA Listed with FEI Code, CDSCO Certified, CE, ISO 13485: 2016 from NABCB under IAF, ISO 9001:2015 (IAF), ISO 14001:2015 (IAF), ISO 45001 :2018 (IAF), WHO GMP, IP 69, BIFMA, ASTM (Anti Corrosion), EN 13523-26, ISO 13849-1 and Many more

Electric Safety Standards & Compliances IEC 60601-1-2:2014, IEC 61000-6-1:2016, IEC 60335-2-24:2020, IEC 60335-1:2020, IEC 60364-1:2005

## Technical Specification

<b>Make</b>	MarkEn
<b>Model</b>	MSCD-01
<b>Tubing Compatibility</b>	Medical-grade PVC (for Blood Bags, Apheresis Kits, Filters)
<b>Outer Diameter (OD)</b>	3.9 mm – 4.6 mm
<b>Inner Diameter (ID)</b>	2.9 mm – 3.1 mm
<b>Wall Thickness</b>	0.5 mm – 0.9 mm
<b>Sterile Connection Modes</b>	wet-wet, wet-dry, and dry-dry
<b>Minimum Tube Length</b>	4 cm
<b>Consumables Cassette</b>	300 welds per cassette
<b>UPS Compatibility</b>	30-minute backup supported
<b>Communication Ports</b>	RS-232, RS-485 (EU), USB via converter
<b>Operating Conditions</b>	10°C to 40°C, 10%–80% RH non Condensing
<b>Disposal System</b>	Built-in disposal box with overflow detection (up to 300 used pieces)
<b>User Interface</b>	Full-colour touchscreen, glove-operable, process-guided
<b>Mobility</b>	Pop-up handle, compact footprint
<b>Power Supply</b>	AC 100V–240V $\pm 10\%$ , 50/60 Hz
<b>LCD Warranty</b>	3 Years

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ISO 2409

EN 13523-26,  
ISO 13849-1,  
IP 69, IP 65

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