





Pharmed Medical Industries

Member of the ICD Group

Having been established in 2012, Pharmed Medical Industries, as one of the members of the ICD Group, is concerned with the production of dialysis disposables as well as the supply of dialysis related medications. Using both knowledge and know-how from the pioneering companies and applying the latest technologies, the company's activities are directed towards improving the quality of its products which are manufactured using high-grade raw material. The company has managed to obviate the requirements of quality management system according to EN ISO 13485:2016 . In addition, Pharmed products have been certified by CE mark.

Top quality raw materials, the highest standards of quality management systems based on EN ISO 13485 and PIC/S, CE requirements according to Directive 93/42/EEC and professional human resources are the backbone of our manufacturing policy. A robust R&D system in our golden bridge to the new horizons and constant developments ahead of us.

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ISO 13485





Fistula Needle Set

The fistula needle set plays a major role in alleviating patients' pain since it is in direct contact with them. Pharmed Medical Industries is a producer of fistula needle in the three different sizes: 15, 16, and 17 G. Among the assets of fistula needle set are:

- Precise diagonal cutting and entirely smooth penetrating tip provides the best possible skin puncture and ensures a pain free needle injection with minimal skin traction
- Steady angle-free slant at the needle's tip
- A big oval back on the arterial needle which:
 - Maximizes the blood flow
 - Minimizes skin tissue damage
- An ultra-thin wall which:
 - Increases the blood flow
 - Minimizes skin tissue damage and pain at penetration
- Silicon coating for
 - Straight and smooth movement in the vessel
 - Enhanced and pain-free needle penetration
- Standard hardness level and color codes for arterial and venous clamps
- DOP Free

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Product Name	Product Code	Sterilization	Set/Packing	Wing Type	Wing Color	Safety Guard	Tube Length (mm)	Needle Length (mm)	Gauge
Venous Fistula Needle (MC)	4218342	ETO	180	Rotating	Green	No	150	25	16 G
Arterial Fistula Needle (MC)	4218340	ETO	180	Rotating	Green	No	150	25	16 G
Venous Fistula Needle (MC)	4218356	ETO	180	Rotating	Orange	No	150	25	17 G
Arterial Fistula Needle (MC)	4218354	ETO	180	Rotating	Orange	No	150	25	17 G
Arterial Fistula Needle (MC)	4218366	ETO	180	Rotating	Blue	No	150	25	15 G
Venous Fistula Needle (MC)	4218364	ETO	180	Rotating	Blue	No	150	25	15 G
Fistula Needle Set (Venous & Arterial) MC	4218384	ETO	180	Rotating	Blue	No	150	25	15 G
Fistula Needle Set (Venous & Arterial) MC	4218302	ETO	180	Rotating	Green	No	150	25	16 G
Fistula Needle Set (Venous & Arterial) MC	4218359	ETO	180	Rotating	Orange	No	150	25	17 G





Blood Line Set

- In compliance with BS EN ISO 8637 and BS EN ISO 8638 standard requirements
- Made of medical grade raw material
- Made of transparent plastic material without cytotoxic reactions
- Follow ergonomic design principles and have simple but safe connections
- Segmental color coding
- Special geometric venous chamber design
- Sufficient color coded clamps
- Including clamp at heparin infusion site
- Having transducer protector
- Fistula performance measurability in new standard blood line sets
- Having prime solution collection pouch in the new generation of blood line sets

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Blood Line Set specification (مشخصات ست بلاذالین) (ایجاد پمپ سمگمات)				
Blood Line Set Model مدل	Dimension of Pump Segment		Volume of line blood pathway (±%10) ml	
	Ident code کد محصول	Outer Diameter قطر خارجی (mm)	Inner Diameter قطر داخلی (mm)	Length طول (mm)
Blood Line set, SU (Universal)	4212200	9.8	6.5	380
Blood Line set, SF	4212220			
Blood Line set, SF without drain bag	4212222	9.8	6.5	380
Blood Line set, SG	4212219			
Blood Line set, SG without drain bag	4212216	12.0	8.0	380
Blood Line set, SB	4212214			
Blood Line set, SB without drain bag	4212212	9.8	6.5	340
SF (For Fresenius Machines)	SG (For Gambro Machines)		SB (For B/Braun Machines)	



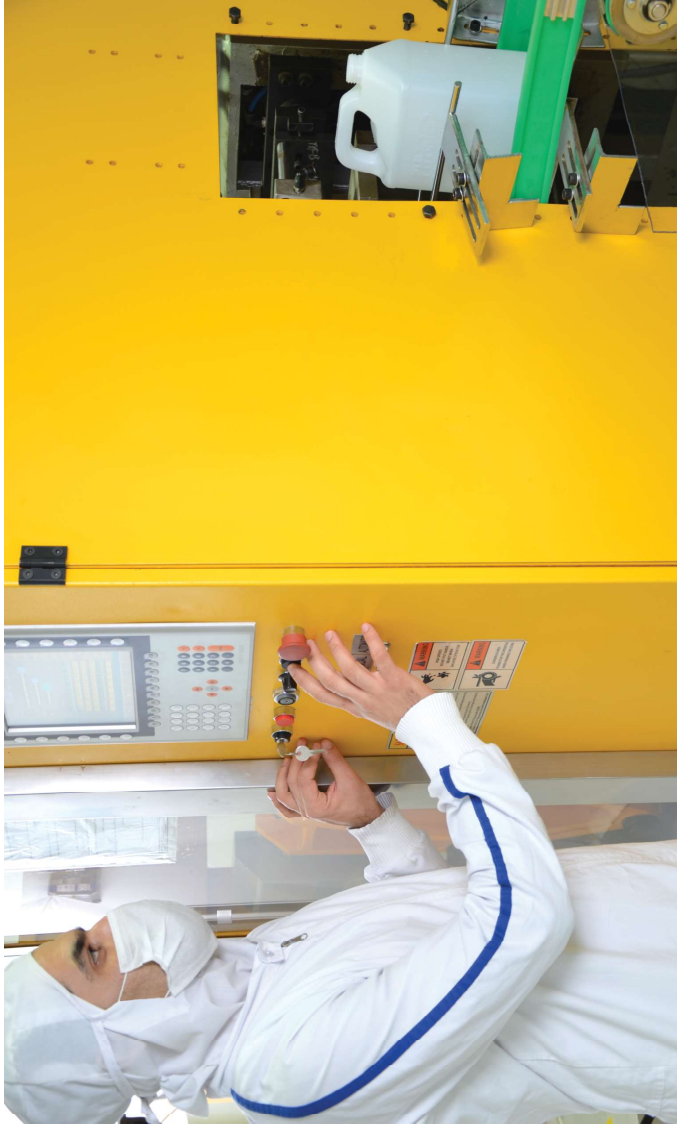
Product	Bag Material	Pieces/Packing	Dialysate Flow Rate	Product Code
RenaBag 650g	PA/PE	16	500 ml/min	4315210
RenaBag 550g				4315205
RenaBag S 650g				4315220
RenaBag S 550g				4315215
RenaCart 650g	PP	10		4315310
RenaCart 550g				4315305



Sodium Bicarbonate Powder Bags and Cartridge

(RenaBag, RenaBag S, RenaCart)
(NaHCO₃, Eur.Ph, USP, BP)

- Fully automatic manufacturing procedure to meet the latest world technologies
- Bicarbonate sodium powder in compliance with USP/EP and AAMI standard regulations
- RenaBag and RenaBag S containers are made of (PE/PA) raw material which secure the products' transparency, lightness, flexibility, and stock space friendliness.
- Biocompatible
- Dust proof packaging
- Effective filters and mesh in inlet and outlet to prevent damages to the machine caused by unsolved powder
- Preventing environmental pollution using a cap for Renacart's input and output port



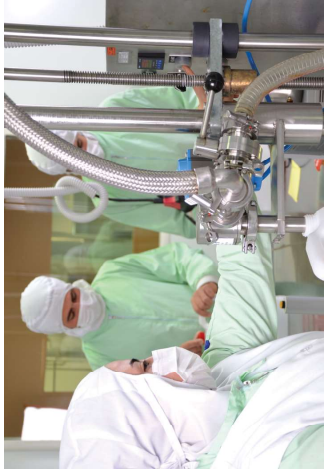
Hemodialysis Concentrates

All hemodialysis concentrates are produced in compliance with BP, EUR.Ph, USP, and FDA regulations. The production of various types of hemodialysis concentrates allows for the most proper choice consistent with the patients' clinical conditions.

Acidic Formula Concentrates:

- Acidic formula type I for hyperkalemia state
- Acidic formula type II for all dialysis patients
- Acidic formula type III for hypokalemia and CHF patients and those receiving digoxin medication

Product	Volume (liter)	Packaging	Pieces/Packaging	Product Code
Acidic I	5	Gallon	2	4316205
Acidic II	5	Gallon	2	4316210
Acidic III	5	Gallon	2	4316215





- Adequate radio opaque material enables clear marking for proper placement of catheter tip
- Two different straight and curved designs
- Unique design which provides maximum flow and minimum pressure
- All parts sterilized with ETO gas



RenaCath

Hemodialysis Catheters Kit

- Soft and diagonal catheter tip facilitates smooth penetration
- Soft and flexible guide wire tip prevents vessel wall rupture facilitating proper forward movement of the guide wire
- Rotating side wings for patient's safety and comfort
- Ergonomic design of caps for solid strength and ease of use
- Priming volume indicated on each tube
- Accessory tubes with caps and clamps
- Variety of sizes and gauges

Product Code	Pieces/Packaging	Product
4222215	10	RenaCath Straight Catheter 11Fr*15cm
4222220	10	RenaCath Straight Catheter 12Fr*15cm
4222265	10	RenaCath Curved Catheter 11Fr*15cm
4222268	10	RenaCath Curved Catheter 12Fr*15cm



Blood Bags

The production of various types of blood bags was initiated in Pharmmed Medical Industries since 2014 following broad expert and technical feasibility studies. Building upon the attempts made by the research and development complex and the technical knowledge transmission of leading manufacturers in the world, the company has fulfilled its desired objective to design Blood Bags capable of collecting, retaining, transfusing, separating, and injecting blood and its components. Being a critical medical product, Pharmmed Company's Blood Bags are produced in conformity with ISO 3826-1, and ISO 3826-3 standards in absolutely hygienic and safe conditions. Regarding applicability, they are closely compatible with the blood transfer set; moreover, they are sterile, non-toxic, free from pyrogenic material, made of flexible PVC, and contain anticoagulant. Also there are small side bags attached to them which allow for the hygienic separation of platelets from the blood.

Depending on the usage and needs, Blood Bags are produced in single, double, triple, quadruple, triple in-line with leukocyte reduction filter, and quadruple in-line with leukocyte filter configurations and in 150, 350, and 450 collection volumes. All various types of blood bags produced in this company come with sampling Blood Bags and needle safety guard.



Description

Blood Bags are disposable and presented in two anticoagulant types:

1. Sterile Blood Bag with CPDA—1 anticoagulant
2. Sterile Blood Bag with CPD

Sterilization Method

- Steam (autoclave) Sterilization

In Compliance with

- BS EN ISO 3826
- BP, Eur Ph, and USP

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General Specifications

Components and Raw Material

Anticoagulant Solution

CPD and CPDA -1 anticoagulants make blood storage possible for up to 21 and 35 days, respectively. SAGM provides RBC storage for up to 42 days.

Plastic and Polymeric Material

Collection and transfer bags are made of suitable plasticizers. Platelet bags with adequate gas permeability which provides platelet storage up to 5 days. Bags are embossed to avoid sticking to each other during the autoclave process; rounded edges reduce loss of blood components in the course of transferring. All these material are made of transparent medical grade and particle-free raw materials to facilitate monitoring during the course of transferring.

Needle and Safety Guard

- Ultra-thin walled silicon-coated needle
- Minimal stress and pain to the donor
- Safety guard that improves safety of the operator and the treatment process by eliminating needle sticks

Sampling Bag with Accessories

The sampling bag is used to collect blood flow from the donor and prevents from contamination caused by indigenous bacteria on the skin. maximum 35 ml blood volume could be transfused by this sampling bag. Moreover, the blood collection tube facilitates the sampling process by using vacuum tubes.



Labeling and Packaging

Pharmed Medical Industries is the registered member of the International Council for Commonality in Blood Banking Automation (ICCBBA) to use the International Society of Blood Transfusion's (ISBT) barcode for systematic identification and tracing.

Label Specifications

- Easy to write on
- Tamper evident
- Resistance against tear, water, and centrifugation
- Legible, Clear, and easy to understand
- Barcoded in compliance with ISBT 128

In-line Leucocyte-Removal Blood Bag Filters

Pharmed Medical Industries is capable of producing various types of triple and quadruple blood bags with leukocyte-removal filters (red blood cells, whole blood) using CPD and CPDA-1 anticoagulant solutions, and SAGM solution in line with the needs and demands of the market.



Product Code	Configuration	Collection vol.	CPD vol.
4512240	Single Blood Bag	450 ml	63 ml
4512265	Double Blood Bag	450 ml	63 ml
4512230	Triple Blood Bag	450 ml	63 ml

Product Code	Configuration	Collection vol.	CPDA-1 vol.
4512250	Single Blood Bag	450 ml	63 ml
4512260	Double Blood Bag	450 ml	63 ml
4512220	Triple Blood Bag	450 ml	63 ml
4512280	Quadruple Blood Bag	450 ml	63 ml

Product Code	Configuration	Collection vol.	CPD vol.	SAGM vol.
4512210	Triple Blood Bag	450 ml	63 ml	100 ml
4512290	Quadruple Blood Bag	450 ml	63 ml	100 ml



Phlebotomy Bag

- Collection of inoperable blood
- Steam (autoclave) sterilization
- Free from toxic and pyrogenic factors
- Medical grade PVC in all segments
- Sharp and smooth silicon-coated 16G needle for pain relief
- Clamp for blocking blood flow in the tube
- Safety guard for cutting prevention prior to and after blood transfusion
- Ensuring patients' safety during phlebotomy
- Apposite packaging in compliance with ISO 3826 standard regulations
- phlebotomy bag in volumes of 350 and 450 ml
- include 35 cc pure water or injection water
- without need to vacuum



Hemoconcentration

Concentrating Diluted Blood in Open Cardiac Surgical Procedures

Hemoconcentrator is a medical disposable which is used in open cardiac surgical procedures. Using oxygenators and artificial hearts during the surgical procedure lets a great amount of liquid into the patients' body. These extra liquids are extruded by the use of Ultrafiltration and Convection methods and hemoconcentrators instantly after the surgery. The main part of this product is the hemofilter that is a hollow-fiber semipermeable membrane including tiny pores on its surface through which globules, proteins, and globulins cannot pass; however, it is permeable to water, keratin, urine, chloride, and glucose. According to the blood is purified.



Dialyser Type	Fiber Type	Housing Raw Material	Cross Section Area	TMP	Code Product
PES 160 High Flux	Polyethersulfone	Polycarbonate	1.6 m ²	Maximum 500mmHg	4222350
PS 160 High Flux	Polysulfone	Polycarbonate	1.6 m ²	Maximum 500mmHg	4222360
PS 180 High Flux	Polysulfone	Polycarbonate	1.8 m ²	Maximum 500mmHg	4222365

Sales and Customer Care Services

Sales, distribution, and customer care services are exclusively carried out by Medway Teb Pouyan Company.

- Customer care service department is available 24 hours 7 days a week
- Customer satisfaction is our number one priority
- All complaints and suggestions shall be taken care of in the earliest time span
- Recommendations would be of great benefit for improving the products' quality

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