



DIALYSIS

Bringing "New Normals"



About Us

Poly Medicure Ltd. (Polymed) is a multinational medical devices company headquartered in Delhi, India, manufacturing 200+ medical devices across its 12 manufacturing facilities around the world. Polymed has a presence in 125+ countries across the globe, with subsidiaries in Europe, the United States and China. The company holds many proprietary designs & patents, and continues to invest in R&D and innovation. Our devices caters to a vast range of therapeutic segments covering infusion therapy, dialysis, cardiology, oncology, urology, gastroenterology, blood collection and management, anaesthesia & respiratory care, surgery & wound drainage, and critical care. We continue to forge ahead with a relentless drive that was set into motion over 27 years ago.

DELIVERING ON OUR PROMISE OF **SAFETY, INNOVATION & QUALITY**



12
Specialities



125+
Countries



200+
Medical Devices



12
Manufacturing Plants
Across 4 countries



400+
Sales
Associates



325+
Patents granted
40+ Applications
pending



1.5 Billion+
Devices Manufacturing
Capacity per year



4000+
Employee Base



DIAL-EZEE

Dialysis System

Standard Features

- 15-inch LCD touch screen
- Accurate concentration of dialysate & conductivity monitoring
- Bicarbonate dialysis with UF & conductivity profiling
- Arterial & venous pressure monitoring
- Transmembrane pressure monitoring
- Sequential & isolated ultrafiltration
- Heparin pump with safety open syringe system
- Self-testing & auto calibration
- Controlled safety air & blood level detector
- Blood leak monitoring system with photoelectric light
- Detailed alarm indicators with HELP menu
- Battery back up in case of power failure

Key Features

- Variable Dialysate Flow: 100 to 800 ml/min with incremental 1ml/min
- Kt/V (Adequate dialysis dose finder on calculation basis)
- Availability of Inbuilt SLED Dialysis
- UF & Na Profiling with one touch selection
- Ultrapure Dialysate - with Endotoxin Cut Filter (Option)
- Dual/Single Blood Pump

Optional Features

- Blood Pressure Monitor
- Bicarbonate Cartridge Filter
- Optical Sensor
- USB Communication Port
- Self Testing Functions
- Convenient & Reliable
- Audio-Visual Alarms
- Clinical & Service Excellence



Specifications

Ref. Code	Product Description - Double Pump	Ref. Code	Product Description - Single Pump
4032-D00	Hemodialysis Machine with BPM & Bi-Cart ETF	4691-S03	Dial-Ezee-S Hemodialysis Machine - Regular with ETF
4581-D00	Hemodialysis Machine with BPM	4581-S00	Dial-Ezee-S Hemodialysis Machine - Regular with OUT ETF
4032-D02	Hemodialysis Machine with BPM & ETF		

*ETF-Endotoxin Filter

Technical Specifications

General Data

Dimensions	380 (W) X 400 (D) X 1380 (H) mm, weight approx.- 80 kg
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Water Supply

Water inlet pressure	1.5-6.0 bar
Water inlet temperature	5°-32°C
Max. drain height	1 meter

Electrical Data

Power supply	AC 220V ± 10%, 50 HZ
Current consumption	10 A Maximum

Extracorporeal Circuit

Arterial Pressure Monitoring

Display range	-380 mmHg to +400 mmHg
Accuracy	±10 mmHg
Resolution	1 mmHg

Venous Pressure Monitoring

Display range	-180 mmHg to +600 mmHg
Accuracy	±10 mmHg
Resolution	1 mmHg

Transmembrane Pressure Monitoring

Display range	-180 mmHg to +600 mmHg
Accuracy	±20 mmHg
Resolution	1 mmHg

Arterial Blood Pump

Blood flow range	10 to 600 ml/min
Accuracy	±10 mmHg

Air Bubble Detector

By ultrasonic sound transmission
Additional optical monitoring in venous chamber

Dialysis Fluid Circuit

Range of dialysate temperature regulation	33 to 40°C
Range of dialysate flow rate regulation	100 to 800 ml/min (incremental by 1 ml/min)
Range of UF rate regulation	0.01 to max 5.00 l/hr
Range of dialysate conductivity regulation	12.5 to 16.5 ms/cm
Range of syringe flow regulation	0 to 9.9 ml/hr with bolus
Available syringe size	10ml/ 20ml/ 30ml
Blood leak detector	Photoelectric detector system
Endotoxin cut filter	Option

Disinfection & Cleaning Process

Rinse	
Temperature / Time	37°C / 10 min
Hot Rinse recirculation	
Temperature / Time	85°C / 33 min
Hot Disinfection with chemical	
Temperature / Time	85°C / 40 min

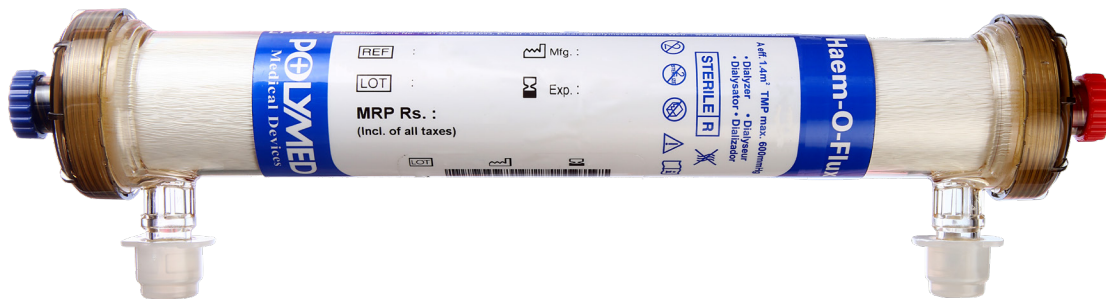
Technical (Options)

Blood Pressure Monitor	
Systole	30-280 mmHg
Diastole	10-240 mmHg
Accuracy	1 mmHg
Options	
Bi cart	Option
Optical Sensor	Option
USB Port	Option

HAEM-O-FLUX

Dialyzer

- Ultra smooth PU cut surface which ensures maximum blood clearance and increased patient safety
- Uniform distribution of pore size
- Good bio-compatibility
- Shelf Life: 36 months
- Variants: Low, Middle & High Flux (1.3, 1.4, 1.6, 1.8)
- Optimized asymmetric PS/PES membranes



	Middle Flux					High Flux		
Effective surface (m2) with colour code	1.4 ●	1.4 ●	1.4 HP ●	1.6 ●	1.8 ●	1.4 ●	1.6 ●	1.8 ●
Product Code	90478	90396	90480	90367	90368	90430	90432	90439
Dialyzer type	Middle Flux	Middle Flux	Middle Flux	Middle Flux	Middle Flux	High Flux	High Flux	High Flux
Priming volume (in ml)	104	104	123	128	146	120	136	153
Internal fibre diameter (µm)	200	200	200	200	200	200	200	200
Fibre wall thickness (µm)	40	40	40	40	40	40	40	40
Membrane material	PES	PES	PES	PES	PES	PES	PES	PES
Housing material	PP	PC	PC	PC	PC	PC	PC	PC
Potting material	PUR	PUR	PUR	PUR	PUR	PUR	PUR	PUR
Sterilization	Gamma	Gamma	Gamma	Gamma	Gamma	Gamma	Gamma	Gamma
Form of treatment	HD	HD	HD	HD	HD	HD	HD	HD
TMP max.	600	600	600	600	600	600	600	600
Units per box	28	28	24	24	24	24	24	24
UF coeff. (ml/h*mmHg)	16	16	16	19	21	45	49	54
Clearance QB /QD= 200/500 ml/min								
Urea	192	192	192	194	196	192	202	215
Creatinine	185	185	184	190	191	181	194	208
Phosphate	161	161	162	170	176	177	182	186
Vitamin B12	108	108	109	119	125	126	131	135
Clearance QB /QD= 300/500 ml/min								
Urea	255	255	256	265	271	260	266	274
Creatinine	228	228	231	244	252	230	244	260
Phosphate	199	199	198	211	222	221	228	235
Vitamin B12	108	108	109	119	125	155	161	168
SIEVING COEFFICIENTs								
Inulin (5.5 k Da)	0.9-1.0	0.9-1.0	0.9-1.0	0.9-1.0	0.9-1.0	0.9-1.0	0.9-1.0	0.9-1.0
Myoglobin (17 kDa)						>/=0.45	>/=0.45	>/=0.45

HAEM-O-CENT

Haemodialysis Catheter Kit

- Made of bio-compatible Polyurethane material
- Flexible & kink resistant J-tip Nitinol guide wire
- Radio-opaque catheter
- Shelf Life: 60 months

Kit Contents

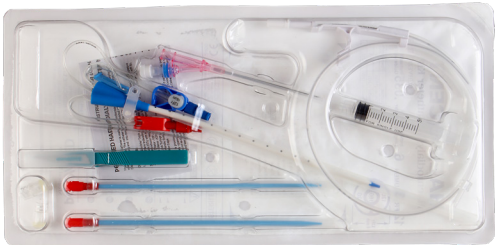
- Indwelling catheter
- Y-Introducer needle with NRV
- J-tip nitinol guide wire
- Dilators 2 nos.
- Luer lock syringe
- Scalpel



Y-Shaped
Introducer Needle

Graduation
Marking

User friendly guide
wire dispenser



Haemodialysis Catheter Kit

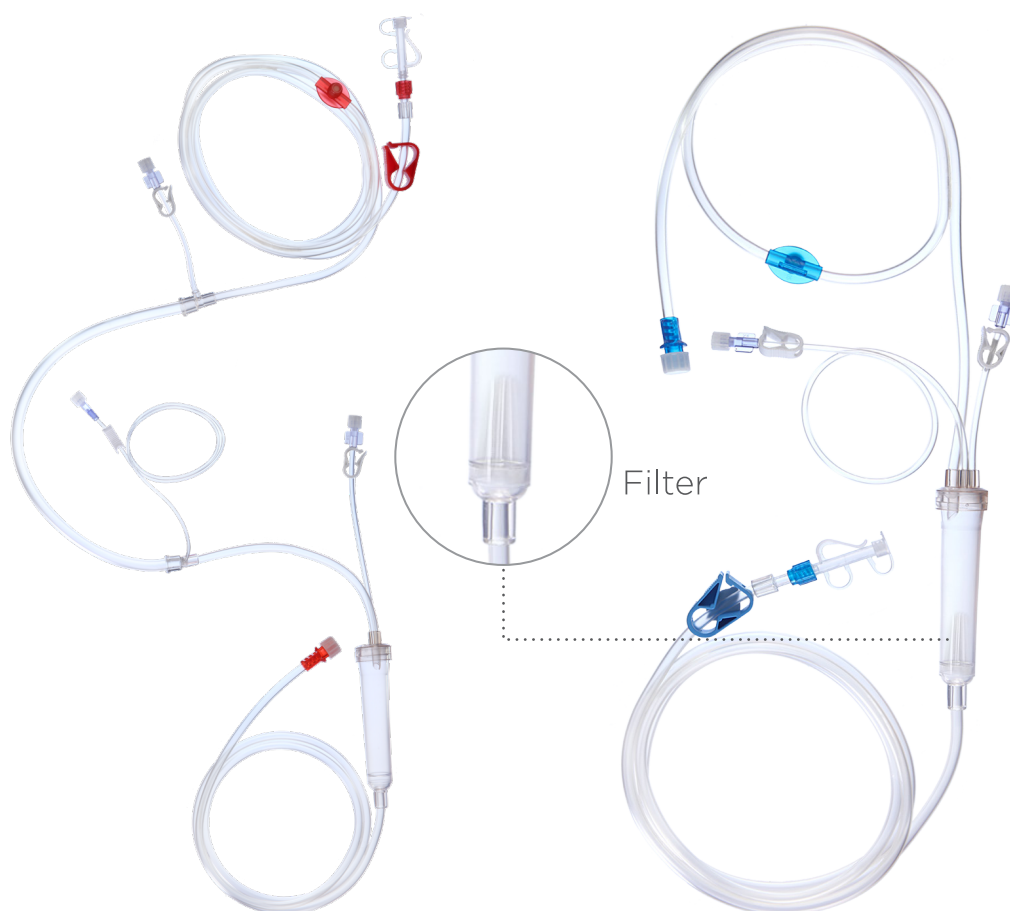
Technical Specifications

Variants	Ref. Code	Catheter		Dilator	Pack Size		Guidewire	Sterlization
		Size	Length (cm)	OD	Duplex Carton		Diameter (inch) x Length (cm)	
		Straight & Curved Extension						
Double Lumen	13457	11.5FR	13/15	12FR & 10FR	10	40	0.035x70	EO
		12FR	13/16	12FR & 10FR	10	40	0.035x70	EO
Triple Lumen	13466	12FR	13/16	12FR & 10FR	10	40	0.035x70	EO

HAEM-O-LINE

Blood Lines

- Soft and kink resistant medical grade blood line set
- PVC/DEHP free
- Guarded access ports in arterial & venous line
- Shelf Life: 60 months
- Variants: Pre & Post Pump



Technical Specifications

Ref. Code	Product Description	Pump Segment OD/ID (mm)	Pack Size (Carton)	Sterlization
70155	Post Pump	9.8 X 6.4	40	EO
70156	Pre Pump	9.8 X 6.4	40	EO
70157	Post Pump with TP	9.8 X 6.4	40	EO
70182	Post Pump with TP & Filter	9.8 X 6.4	40	EO

A.V. FISTULA NEEDLES

- Siliconized ultra thin walled sharp beveled back eye needle to minimize trauma
- Flexible butterfly wings for proper fixation
- Available with fixed/rotating wings
- Shelf Life: 60 months

Specifications

- Needle length: 25 mm
- Tube length: 30 cm
- Sizes: 15, 16, & 17G



Technical Specifications

Ref. Code	Product Description	Needle Length	Tube Length	Pack Size		Sterilization	Wing
				Duplex	Carton		
90233	AV Fistula 15G	25mm	30cm	50	250	EO	Fixed
91124	AV Fistula 16G	25mm	30cm	50	250	EO	Fixed
91039	AV Fistula 17G	25mm	30cm	50	250	EO	Fixed

TRANSDUCER PROTECTOR

- Membrane pore size - 0.2 micron
- Nature of membrane - hydrophobic
- Monitors the internal pressure and prevents contamination
- EO sterile and Non-Pyrogenic
- Housings designed to withstand pneumatic pulsing
- Reducing potential patient-to-patient contamination
- Clear throughout design to allow monitoring
- Shelf life: 60 months

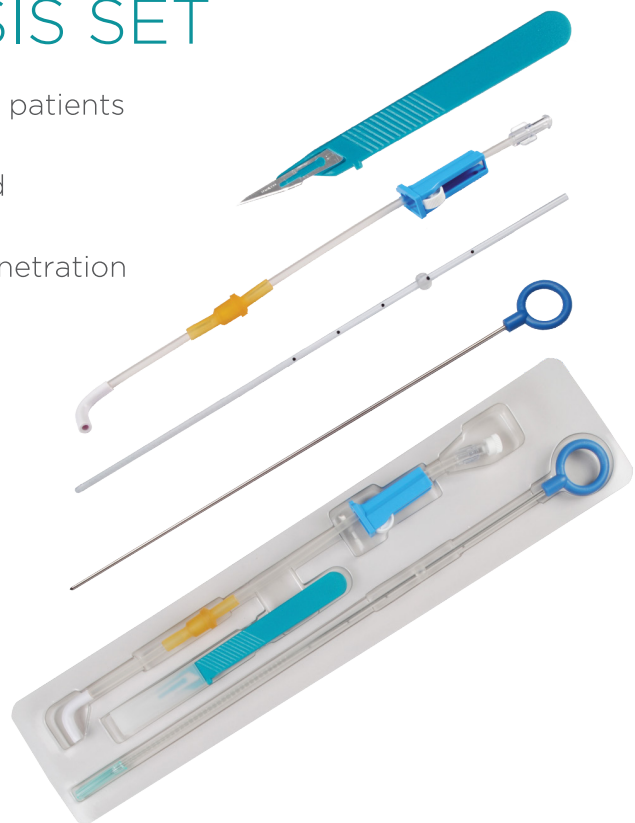


Technical Specifications

Ref. Code	Product Description	Pack Size		Sterilization
		Duplex	Carton	
70158	Transducer Protector	50	500	EO

PERITONEAL DIALYSIS SET

- Suitable for performing peritoneal dialysis in patients of all age groups
- Perforated open-end catheter manufactured from polypropylene
- Stainless steel trocar to facilitate smooth penetration
- Scalpel blade for incision
- Latex flash bulb on the junction unit for additional medication
- Sizes: Adult and Paediatric
- Shelf Life: 60 months

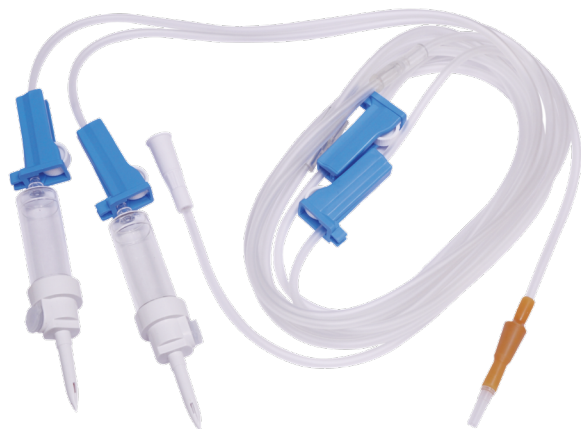


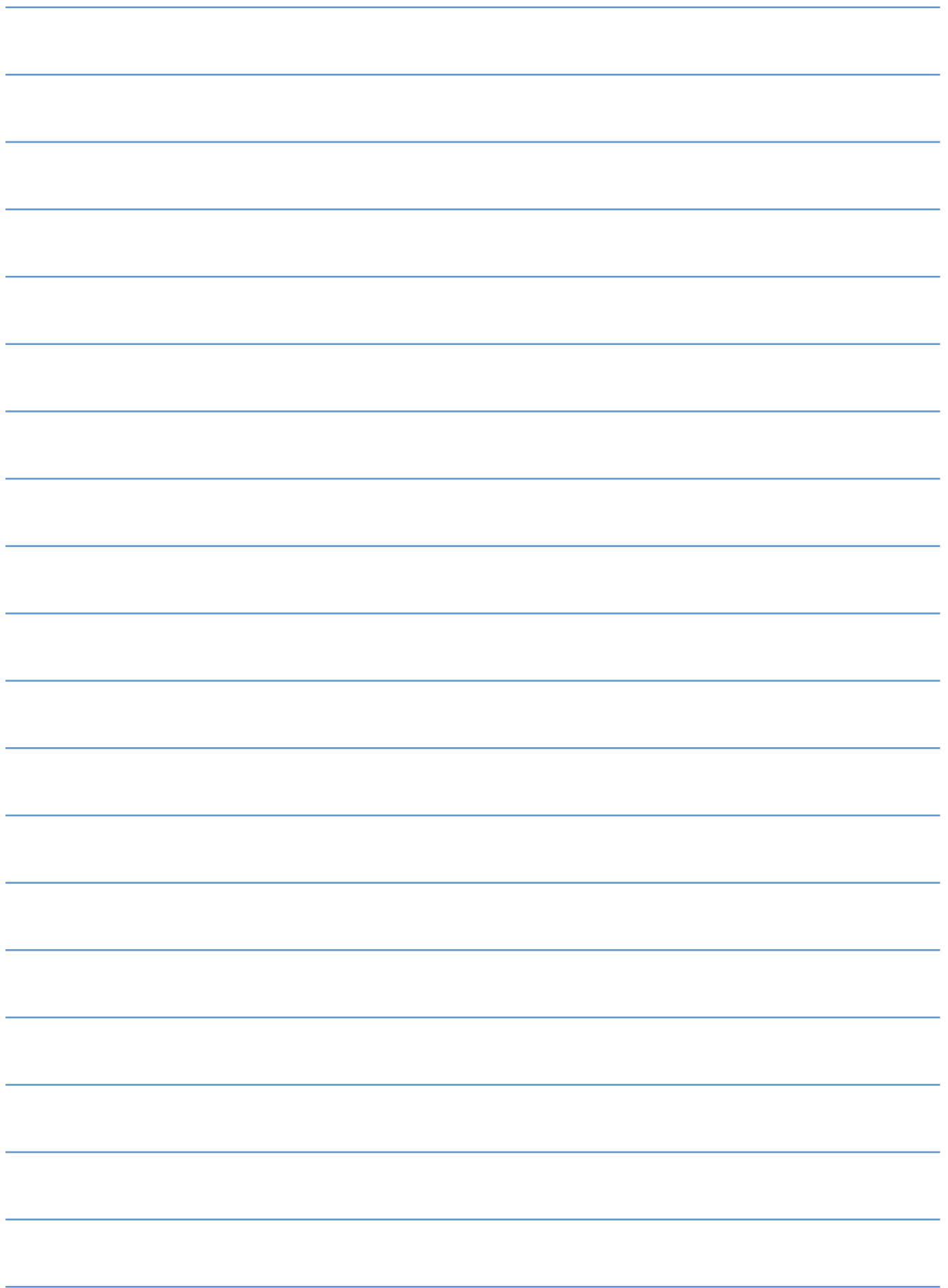
Technical Specifications

Ref. Code	Product Description	Product Variant	Tube Length	Pack Size		Sterilization
				Duplex	Carton	
90350	PD Set	Adult	30cm	10	100	EO
90351	PD Set	Pediatric	30cm	10	100	EO
90360	PD Transfusion Set	Universal	30cm	10	100	EO

PERITONEAL DIALYSIS TRANSFUSION SET

- Y-shaped set for administration of dialysis fluid
- Provides continuous fluid movement with quick change over of fluid bottles
- Packaging: Duplex 20, Carton 80 units
- Shelf Life: 60 months







India Medical Device Leader of the Year 2022 by Govt. of India

Best
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2024
by
ET EDGE

The Next 500
Companies
2023
by Fortune
India

Best Company
for Technology
Innovation in
Healthcare
2023 by
ASSOCHAM

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d as one of
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Top
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