

PULSE

Precision Haemodialysis System

Advanced Renal Replacement Therapy Platform with Integrated Dialysis Consumables



Therapy Precision | Patient Safety | Dialysate Purity | Operational Reliability

Designed to deliver safe, accurate, and consistent haemodialysis therapy, the PDM-6000 supports dialysis centers and hospitals with dependable renal replacement therapy performance, optimized workflow efficiency, and superior patient safety.



PDM - 6000

PRECISION HAEMODIALYSIS SYSTEM

ENGINEERED FOR RELIABLE RENAL REPLACEMENT THERAPY

01

THERAPY PRECISION

- Accurate ultrafiltration control with $\pm 1\%$ precision
- Integrated Kt/V monitoring for therapy adequacy assessment
- Stable blood and dialysate flow regulation
- Real-time therapy parameter monitoring

02

PATIENT SAFETY

- Air detection and automatic blood pump protection
- Blood leak detection system
- Multi-parameter pressure monitoring
- Automated safety self-testing system
- Automatic alarm and protection mechanisms

03

PRECISION DIALYSATE CONDUCTIVITY CONTROL

- Temperature regulation (35° – 39°C)
- Integrated disinfection system

04

OPERATIONAL EFFICIENCY

- Automated priming and disinfection
- Intuitive interface and preset protocols
- Reduced setup time
- Maintenance-optimized system design



ADVANCED SYSTEM ARCHITECTURE FOR RELIABLE THERAPY DELIVERY

General Data

Dimensions	1600 x 550 x 800mm (H x W x D)
Weight	Approx. 85 kg

Water supply

Water inlet pressure	1 ~ 3bar
Water inlet temperature	5 ~ 30°C

Power supply

Voltage	230V AC ±10%
Frequency	50Hz
Max.consumption	2.1kVA

Extracorporeal circuit

Arterial pressure monitoring

Display range	-400 ~ +400mmHg
Accuracy	±10mmHg
Resolution	5mmHg

Venous pressure monitoring

Display range	-400 ~ +400mmHg
Accuracy	±10mmHg
Resolution	5mmHg

Transmembrane pressure monitoring

Display range	-100 ~ +500mmHg
Accuracy	±10mmHg
Resolution	5mmHg

Blood pump

Blood flow range	0, 50 ~ 600ml/min
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Heparin pump

Delivery range:	0, 0.3 ~ 10mL/h
Syringe size:	10, 20, 30 mL

Air detector

Sensitivity	Single bubble	≥20 uL
	Continuous bubble	≥ 10 uL

Hydraulic circuit

Dialysate flow range

Range	300 ~ 800ml/min
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Dialysate temperature

Setting range	35 ~ 39°C
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Dialysate conductivity

Display range	0 ~ 16.0mS/cm
Accuracy	±0.1mS/cm

Ultrafiltration

UF rate	0 ~ 3600ml/h
Accuracy	±1%

Blood leak detector

Sensitivity	≤0.35ml/min(HCT=32%)
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Battery back up

30mins' automatic power supply after power off

Disinfection method

Peracetic acid(recirculation)
Hot citric acid(recirculation 85°C)
Sodium hypochlorite(recirculation)
Acetic acid(recirculation)
Hot rinse(recirculation)

PD - Canova

AV Fistula Needles — Safe and Reliable Vascular Access



Features :

- Designed for secure vascular access with minimal trauma and maximum patient comfort.
- Innovative design ensures patient safety and user comfort.
- Biocompatible medical-grade tubing
- Color-coded wings for easy identification
- Secure leak-proof connection

Available in :

- Available in 15G, 16G, 17G
- With or Without Back-eye Needle
- Twin Set (Arterial & Venous)
- Sterilization: Gamma Irradiation or ETO
- Pack Size: Inner: 50 Sets Pack, Outer: 500 Sets Pack

PD - Linepro

Blood Tubing Set — Secure Extracorporeal Blood Circuit



Features :

- Designed to ensure safe and efficient blood circulation between the patient and dialysis system.
- Optimized air removal chambers
- Kink-resistant tubing design
- Secure dialyzer connectivity
- Biocompatible materials
- Easy priming and handling

Available in :

- Additional standard accessories
- Sterilization: Gamma Irradiation or ETO
- Individual Pouch Pack, Outer: 25 Pcs Pack

Dialysers

High-Efficiency Toxin Removal

- Engineered for effective removal of metabolic waste and excess fluid during haemodialysis therapy.
- Efficient toxin clearance
- Stable filtration performance
- Compatible with standard dialysis protocols



PD - Cath

Haemodialysis Catheters — Reliable Temporary Vascular Access



Used to build a temporary connection between patient and Dialysis machine for acute and short term dialysis.

Features :

- Designed for safe and efficient temporary vascular access for haemodialysis therapy.
- Biocompatible PU material
- Radiopaque for accurate placement
- Kink-resistant design
- MRI compatible

Available in :

- Available in single, double, and triple lumen
- Packing Details : Inner : 01 Pcs, Outer : 10 Pcs

Available in :

Product Code	Product Description	Individual Packing	Packing (Inner/Outer)
HDK1000101	Single Lumen	Blister Pack	01/10
HDK1000201	Double Lumen	Blister Pack	01/10
HDK1000301	Triple Lumen	Blister Pack	01/10

Gauge of catheter	Size	Length of catheter (cm)	O.D of catheter (mm)	Flow rate (ml/min)	Guide wire O.D/ length(mm/cm)	Dilator O.D/ effective length (mm)	Needle O.D/effective length (mm)
SINGAL LUMEN CATHETER							
12G	8FR	13CM	2.7	240	0.90/60	28/100	1.25/70
12G	8FR	16CM	2.7	220	0.90/60	28/100	1.25/70
12G	8FR	20CM	2.7	200	0.90/60	28/100	1.25/70
DOUBLE LUMEN CATHETER							
12G/12G	11.5FR	13CM	4	300/300	0.90/60	4.0/150	1.25/70
12G/12G	11.5FR	16CM	4	275/275	0.90/60	4.0/150	1.25/70
12G/12G	11.5FR	20CM	4	250/250	0.90/60	4.0/150	1.25/70
12G/12G	12FR	13CM	4	300/300	0.90/60	4.0/150	1.25/70
12G/12G	12FR	16CM	4	275/275	0.90/60	4.0/150	1.25/70
12G/12G	12FR	20CM	4	250/250	0.90/60	4.0/150	1.25/70
TRIPLE LUMEN CATHETER							
12G/12G/16G	12FR	13CM	4	285/85/81	0.90/60	4.0/150	1.25/70
12G/12G/16G	12FR	16CM	4	180/68/64	0.90/60	4.0/150	1.25/70
12G/12G/16G	12FR	20CM	4	145/54/51	0.90/60	4.0/150	1.25/70

PD - TP

Transducer Protectors — Pressure Monitoring Safety



Features :

- Designed to ensure accurate pressure monitoring while preventing contamination.
- Prevents contamination
- Maintains monitoring accuracy
- Single-use safety design
- Compatible with dialysis systems



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