

DIALYSIS

Bringing “New Normals”



About Us

Poly Medicure Limited (Polymed) is a multinational medical devices company headquartered in Delhi, India, manufacturing 150+ medical devices across its 9 manufacturing facilities around the world. Polymed has a presence in 120+ countries across the globe, with subsidiaries in Europe, the United States, and China. Polymed holds many proprietary designs & patents, and continues to invest in R&D and innovation. The products cater to a vast range of therapeutic segments covering infusion therapy, dialysis, respiratory care, cardiology, oncology, urology, gastroenterology, blood collection and management, anaesthesia & wound drainage. We continue to forge ahead with a relentless drive that was set into motion over 25 years ago.

Innovation, Quality & Manufacturing Excellence

9 state-of-the-art manufacturing facilities

across 4 countries, 6 in India, 3 facilities overseas
(1 in Italy-wholly owned subsidiary, 1 in China-wholly owned subsidiary and 1 joint venture in Egypt)
with over 200,000 sq. feet of Grade C
(class 10,000) to Grade D (class 100,000)
(ISO class 7 & 8) clean room areas

ISO 9001:2015 & ISO 13485:2016

Quality Management Systems

Well equipped R&D centre
with qualified team



DIAL-EZEE

Dialysis System

Standard Features

- 15-inch LCD with touch screen
- Bicarbonate dialysis
- Accurate concentration of dialysate & conductivity monitoring
- Ultrapure dialysate through Endotoxin filter
- 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
- Dual Blood Pump

Optional Features

- Blood Pressure Monitor
- Bicarbonate Cartridge Filter

- Self Testing Functions
- Convenient & Reliable
- Audio-Visual Alarms
- Clinical & Service Excellence



Technical Specifications

General Data

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

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 Available as standard

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

Bicarbonate

Bi cart Dry



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

"Best under a
Billion"
Award 2020
by Forbes
Asia

Acknowledged
as one of the
"Top 25
Innovative
Companies in
India" by CII

Top
Exporter
Award for
10 years
in a row by
PLEXCONCIL

Dare
to Dream
Award
2018
by
Zee Business

Medical Device
Company
of the Year
2018
by Govt. of
India

Gold
Patent Award
2015-16
by
PHARMAEXCIL

Delivering Quality Medical Devices every day
to millions of patients around the world.



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MEDICAL DEVICES
We Care As We Cure