

BUILT TO SERVE EVERY PERSPECTIVE

For Patients: Comfort and Safety

With ultra-clean dialysate thanks to the 2 endotoxin filters, quiet operation, and a patient-friendly interface, Surdial fleX ensures a calm and safe treatment environment that supports better patient outcomes.

For Providers: Support and Efficiency

Surdial fleX simplifies daily tasks with automated priming and reinfusion, an intuitive interface, and an ergonomic design, allowing providers to work comfortably, efficiently, and with confidence.

For Procurement: Value and Reliability

Built with rust-resistant materials, reliable construction, and organized storage, Surdial fleX is designed for long-term value, reducing maintenance needs and supporting your investment.

For Sustainability: The Future

The Surdial fleX boasts a strong sustainability profile, thanks to its short disinfection cycle that significantly reduces the need for disinfectant, water, and electricity, making the machine future-proof.

Technical Specifications

Measurements	
Unit size	Height: - 1570 ± 10 mm (without an IV pole) - 1930 ± 10 mm (with an IV pole) Width: 300 ± 10 mm (Foot: 450 mm) Depth: 480 ± 10 mm (Foot: 850 mm)
Unit mass	92 ± 5 kg (Dry mass)
Protection	
Type of protection from electric shock	Dialysate circuit: Type B applied part Cuff: Type BF applied part
Degree of protection from electric shock	Class I
Protection against water and hazardous micro particulate matter infiltration	Drip proof equipment IPX1
Dialysate flow	
Dialysate flow	100 to 800 ml/min (100 ml/min increment)
Substitution flow	
Control method	Pressure control valves (internal)
Setting range	Range is 40 -400 ml/min (1 ml/min increment)
UF control	
Control method	Closed capacity control method by the piston pump
Setting range	0.00, 0.10 to 5.00 L/h (0.01 L/h increment) 0, 100 to 5000 ml/h (10 ml/h increment
Blood pump	
Blood pump method	2-roller
Rotation direction	Clockwise rotation
Flow range	Standard tube: 10-600 ml/min (5 ml/min increment)
Heparin pump	
1-tube method	Nipro Syringe sizes 10, 20 and 30 ml
Injection direction	Leftward (when facing the front side of the machine)
Flow setting	0.0 to 20.0 ml/h (0.1 ml.h increment)
Overload detection	Discharge pressure 1200 ± 50 mmHg

NIPRO
Live Longer. Live Better.

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Surdial fleX™

Ease meets eXpertise!



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DIALYSIS CARE TODAY: RISING TO THE CHALLENGES

Dialysis care today is more demanding than ever. Healthcare providers are under constant pressure to balance the complexities of treatment with the growing need for efficiency and patient-focused care. Among the key challenges:

Ensuring high-quality patient care:

For people with chronic kidney failure, dialysis is their lifeline. Providing high-quality care is vital to support their fragile health and well-being, despite the challenges of varying staff expertise and demanding schedules.

Managing high operational costs:

From equipment maintenance to consumables, the costs of running dialysis centers can strain budgets, making cost-efficiency a priority.

Making the most of limited space in dialysis rooms:

Space constraints in treatment rooms can create logistical challenges, limiting the ability to expand or optimize workflows.

Addressing staffing shortages:

With fewer nurses and healthcare staff available, providers have less time for "human care," leading to a greater reliance on automation and efficiency.

These challenges demand smart solutions that address operational pain points while still prioritizing patients and supporting healthcare teams.

Master those Challenges with Surdial fleX!

Surdial fleX has been designed with these challenges in mind, offering a comprehensive solution that combines **ease of use, advanced technology,** and **flexibility.** With three key pillars—**Enhanced Patient Care, Operational Efficiency,** and **Future-Ready Design**—Surdial fleX empowers dialysis centers to overcome obstacles and thrive.

BUILT FOR TODAY'S NEEDS – READY FOR TOMORROW'S DEMANDS

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Enhanced Patient Care

Advanced Technology for Care:

- Dual endotoxin filters for ultrapure dialysate.*
- Intuitive, user-friendly interface for consistent, safe treatments.

Patient and Provider-Centric Design:

- Quiet operation for patient comfort.
- Ergonomic design reduces provider strain and enhances usability.



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Operational Efficiency

Process Efficiency and Automation:

- Automated priming and reinfusion reduce manual tasks and save time.
- Short disinfection cycles improve patient turnover.
- Compact design optimizes room layout and streamlines workflows

Convenience and Maintenance:

- Rust-resistant materials and drop-proof components ensure durability.
- Easy-to-clean features, like the flat design, simplify maintenance.

Future-Ready Design

Flexibility and Adaptability:

- Innovative Internal substitution fluid delivery system allows for easy switching between HD and HDF treatment.
- Universal Nipro bloodline compatibility, reducing complexity in procurement and supply chain.
- IC card reader enables seamless connectivity to external networks.
- Three pressure ports offer customizable treatment options to meet regional standards.

Sustainability and the Future:

- Short disinfection cycles minimize disinfectant, water and electricity use, reducing environmental impact.
- Durable construction for long-term reliability and value.

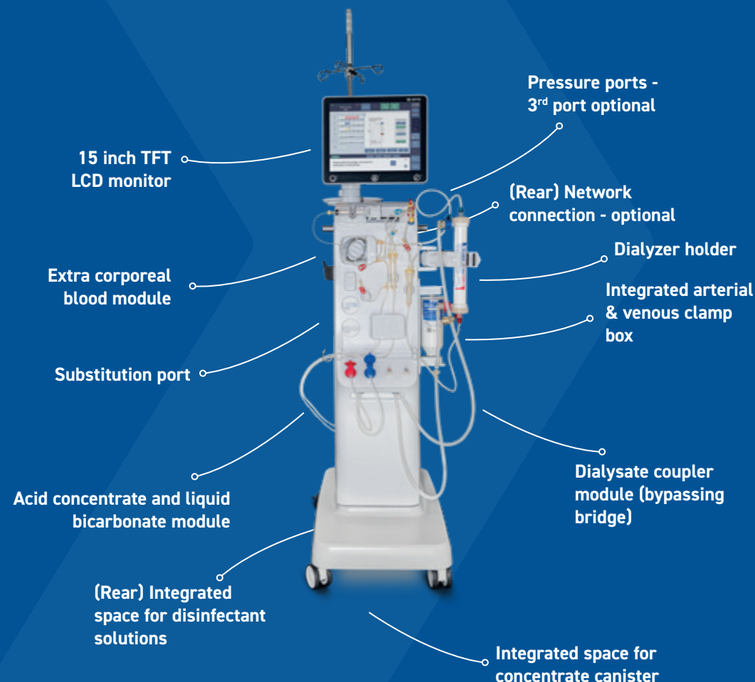
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* can vary depending on the local water quality and the specific water treatment configuration.

EASE MEETS EXPERTISE – EXPLORE MORE!

Surdial fleX isn't just a machine—it's a smart solution designed to tackle today's challenges and evolve for tomorrow. Combining advanced technology, slim design, intuitive interface, seamless workflows, and a commitment to sustainability, Surdial fleX empowers you to achieve more—whether it's delivering superior patient care, supporting your staff, or driving long-term value.



Scan the QR code to explore all the features of Surdial fleX, or book your demo today and experience the X factor in dialysis care.