



Introducing SmartPD

A truly innovative automated peritoneal dialysis system



The long waited breakthrough in peritoneal dialysis



Newsol Technologies Inc.

Telephone: 1.905.488.7475

Email: info@newsol.ca

Website: www.newsol.ca



SmartPD System Features

- Safe efficient APD for patients of all ages including pediatric
- Automated operations: IPD, CCPD, NPD, Tidal PD & Enhanced PD, customizable modality
- Continuous pressure monitoring and control
- Patient friendly graphical self-correcting alarm management system
- Easy to use patient colour touch screen control
- Inline heating of solutions
- Multi language
- APD therapies are written by the clinician and transferred to the cycler with the patient USB stick
- Easy retrieval of treatment history

Patented IPP(intra-peritoneal pressure) control technology

- Automated and quantitative measurement of peritoneal cavity volume:
- Prevents volume overflow during FILL phase
- Optimizes DWELL duration
- Constant volume or constant pressure option during DWELL
- Automatically monitors and record ultrafiltration kinetics during DWELL
- Complete drainage of infused fluid at end of cycle
- Prevents DRAIN pain
- Wet and dry end state option

Patented Point of use formulation

- Any approved dialysate formulation can be mixed and delivered cycle by cycle
- Can deliver any premix formulation
- Convert non physiological pH solution to physiological pH at point of use
- Can accept traditional or non-traditional osmotic agents
- Automatic delivery of additives and treatment drugs

Patented Connectology

- Specially designed cartridge that can mimic the physical environment and chemical nature of the fluid in the peritoneal cavity
- Double-shielded and spikeless connectors
- The fluid path is automatically monitored for continuity during the entire treatment
- Monitoring of fluid path
 - Prevents accidental disconnection during the entire dialysis procedure
 - Automatically detects and manages accidental disconnects
 - Detects and manages kinks and blockages in fluid lines
 - Limits human contact with clinically relevant services in the fluid path

