

FL Series Water Purification System

- ST-FLQ Series RO DI Pure Water System (Tap Water Inlet)
- ST-FLS Series Ultra Pure Water System (Tap Water Inlet)
- ST-FLD Series Ultra Pure Water System (DI Water Inlet)

Utilizing Global High Quality parts

- RO: Manufactured by TOW or CSM
- Pump: Manufactured by Kflow.
- Ultrapurification cartridge: Manufactured by Rohm & Hass or DOW.
- Water quality monitor system: LCD with resistivity and double TDS.
- Case: Manufactured by Kflow's Taiwan factory.
- UV/UF Cartridge: Manufactured by Pall or other reliable brands.
- Terminal filtration: Manufactured by Sartorius.
- Other components: Manufactured by Kflow.

Incorporating cutting-edge technology

- RO Series uses the reverse osmosis technology by NASA.
- Desalination rate $\geq 99.0\%$, eliminating virus rate $\geq 99.5\%$.
- Special circle-inside function to guarantee water quality.
- It mixed beds guarantees water quality and lengthen the life-span of ultra purification cartridge.
- Double wave length UV lamp efficiency decreases virus and TOC.
- Ultra purification cartridge efficiently eliminates endotoxin.
- High flux terminal filtration with pre-filtration function.

Operating System

- Control System
Automatic microcomputer controlling, multi-menu operating, guaranteeing 24 hours work.
- Display System
Large LCD display, real time iconic type working mode display.
- Quality Monitor
3-way online sensor, detecting the quality of inlet, RO outlet and ultrapure water respectively.
- Visual and Auditive alarm
Multiple alarm including inlet water over standard, no water, full water, outlet water over standard, consumables life span ends, multifunction auto detect, guaranteeing safety.
- Recirculation System
Manual and auto in one body, freely switchable, ultrapure water recirculation system, keeping a low polluted level of bacteria.
- Safety System
With factory and clients two password, every system setting can be protected, avoiding unauthorized operating.
- Consumables replacing remind
The life span can be set and the time used and left can be displayed, replacing auto-reminding, avoiding the decline of water quality.



- Sanitization System
Ultrapure water pipeline can be regularly disinfected to keep a high quality water.
- RO Membrane flush
Automatic RO membrane flushing function, extending its life span furthest.
- "ON/OFF" Function Mode
To keep RO Water in high quality condition.
- Exterior Case
Streamline case design.
- Pipeline and adaptor
Pipeline with FDA authorization to assure high quality ultrapure water, new easy inserting adaptor to make convenience of cartridge maintaining and replacing.
- Pre-Treatment Cartridge
Long life pre-cartridge, 6-8 times of normal active carbon (except PP filter), to last for 2 years.
- RO Membrane
Manufactured by DOW or FCS, long life and high quality.
- Ultrapurification Cartridge
4 cartridge of ultra purification, using famous nuclear resin to assure high quality.
- UV Module
Double wavelength (185nm x 254nm) UV lamp, restraining bacteria's increase, reducing TOC.
- Terminal Filtration
Sartorius high speed and large flux 0.45 + 0.2 μm polyether alternative compound filter terminal disinfection filter, assuring absolutely quality
- UF Module
MWCO 5000D PES UF module, effectively eliminating endotoxin, can be used to precise cell cultivating and IVF