

ICW-3000™ Water Purification system

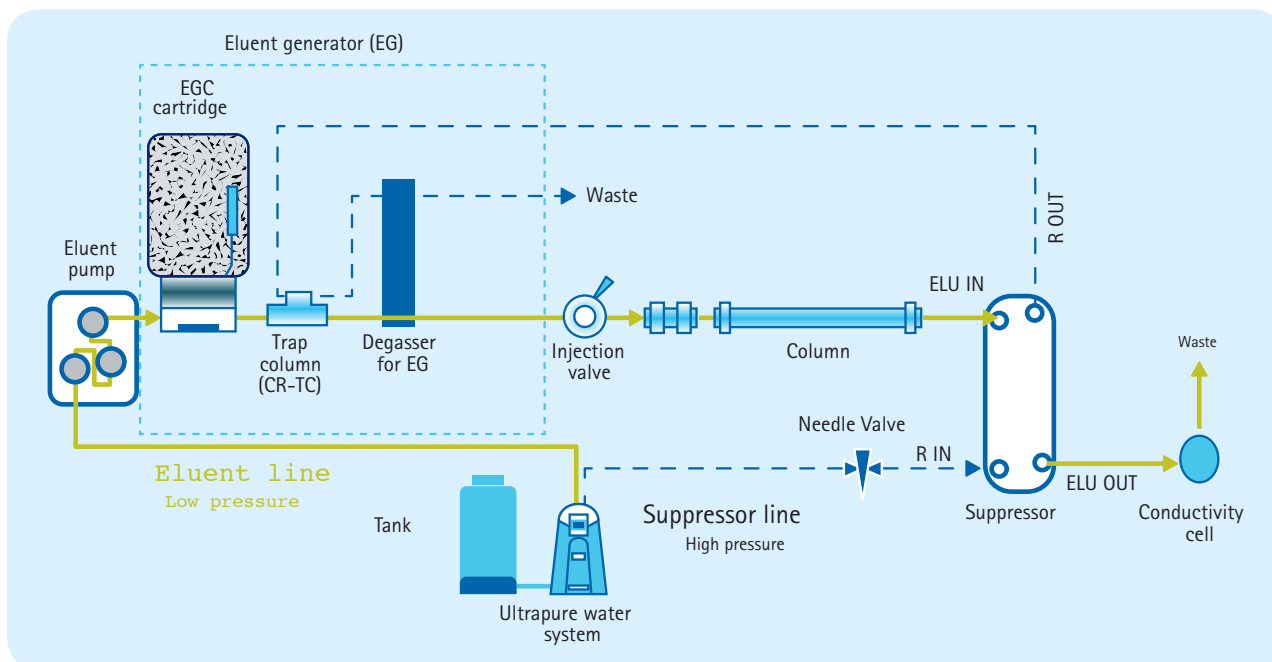
Direct Feed Ultrapure Water for Dionex® Ion Chromatography systems

Features and Benefits

- Improves reproducibility
- Allows more stable baselines
- Provides better equilibration of the IC system
- Reduces instrument downtime needed to refill eluent bottles
- Reduces IC eluent preparation time to almost zero
- Eliminates the need for helium to pressure feed the suppressor
- Extends IC system lifetime
- IC remote control can be used to drive the ICW-3000™ system
- Micro valve included for suppressor line flow regulation

The Merck Millipore ICW-3000™ system is an ideal solution for feeding ultrapure water directly to Dionex® Ion Chromatography (IC) eluent generators and suppressor regenerating lines. Just fill the 10-liter tank with pure water to produce ultrapure water that is directly supplied to the ion chromatography system. The Dionex® ICS systems include an eluent generator (EG), which is a device that can produce a defined concentration of eluent from ultrapure water and a concentrated eluent cartridge (potassium hydroxide, potassium carbonate, methanesulfonic acid). The ICW-3000™ system allows greater IC analytical precision, while also making operation more convenient when Dionex® ICS systems are used in external generation mode. The ICW-3000™ system can supply ultrapure water to the suppressor at adequate pressure and flow rates with no need for gas.

ICW-3000™ with IC



Quality Solutions

The ICW-3000™ system incorporates state-of-the-art technologies to provide the best results.

Specific in-line 0.05 µm filter:

- Prevents deposits on membranes (EG, CR, SRS)
- Eliminates frit plugging problems on check valves, column head and eluent tank

Built-in UV lamp (185/254 nm) for the production of low TOC ultrapure water

- Improves column lifetime
- Enables better reproducibility of eluent generation
- Allows better exchange kinetics in the suppressor



ICW-3000™ Product Characteristics

Flow rates	Eluent flow: up to 4 ml/min @ 0.2 bar (3 psi) Suppressor flow: up to 20 ml/min @ 1.7 bar (25 psi) Point of Use flow: up to 250 ml/min
Water quality	Resistivity: 18.2 MΩ.cm @ 25 °C
Dimensions	System: 510 (H) x 290 (W) x 360 (D) mm Tank: 412 (H) x 165 (W) x 250 (D) mm
Weight	5.4 kg
Power	100 VA