

ICW-3000™ Water Purification system

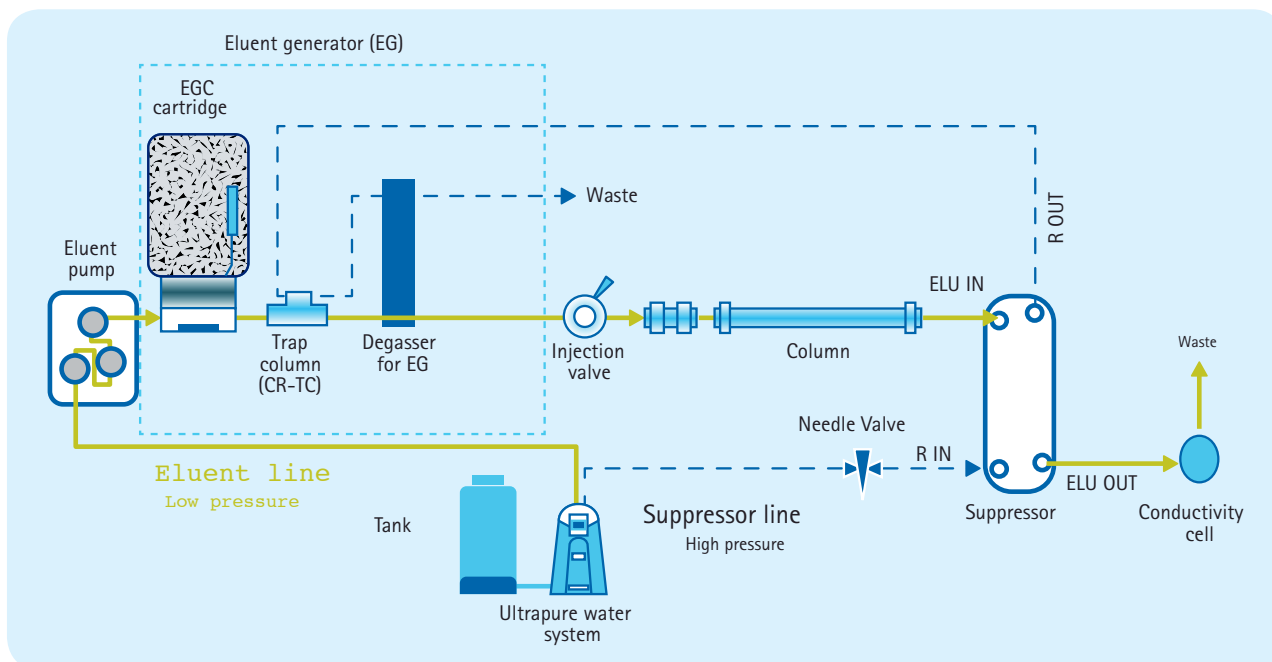
Direct Feed Ultrapure Water for Dionex® Ion Chromatography systems

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



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Pricing on any accessories shown can be found by keying the part number into the search box on our website.

The specifications listed in this brochure are subject to change by the manufacturer and therefore cannot be guaranteed to be correct. If there are aspects of the specification that must be guaranteed, please provide these to our sales team so that details can be confirmed.

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Please contact us if this literature doesn't answer all your questions.