

Thermo Scientific™ Dionex™ IC Pure™ Consumables Replacement Information

External Pretreatment

Pretreatment is important for the life of the RO membrane. One or more of the following pretreatment cartridges may be used depending on feed water quality. Check the boxes below for the external pretreatment installed before this system.

Note: Frequency of replacement may vary based on feed water supply.

- 06.5201 5 µm filter with carbon cartridge: 3-4 months.
Replacement filter for 50134022.
- 06.5204 10" 5 µm filter with hardness stabilizer cartridge: 6-12 months.
Replacement filter for 09.4001.

Consumable	Part #	Estimated Life Time *	When To Change
Pretreatment cartridge required for tap water feed	09.2012	Up to 6 months	<ul style="list-style-type: none"> When the ultrapure cartridge has shorter life time than expected.
Ultrapure cartridge	09.1006	Up to 12 months depending on feed water quality	<ul style="list-style-type: none"> Purity drops below acceptable purity level "Lim. val. pure w." displayed Change cartridge message displayed – cartridge exceeded maximum time in the system
0.2 µm final filter	09.1003	Up to 12 months	<ul style="list-style-type: none"> Dispensing water flow is reduced 09.1006 ultrapure cartridge is replaced
Ultrafilter	50133981	When applicable – up to 2 years	<ul style="list-style-type: none"> Low flow Replace at least every 2 years
UV lamp	09.1002	When applicable – up to 2 years	<ul style="list-style-type: none"> "UV duration" alert displayed Replace at least every 2 years
Vent filter – IC Pure OR 20 L filling station	22.0091	Up to 12 months	<ul style="list-style-type: none"> Replace at least once a year
Cleaning solution	CMX25	n/a	<ul style="list-style-type: none"> Bacteria present in water When 09.1006 ultrapure cartridge is replaced Requires reusable cleaning adapter

Note: The actual life time of the consumables depend on the quality of the feed water and the amount of water used by the system.



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IC Pure System



Replace your consumables on a regular basis to provide your lab with the best water quality. To learn more, visit: thermofisher.com/wpmaintenance.

Find out more at thermofisher.com/purewater

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Thermo Scientific Dionex IC Pure Ultrapure Water System Quick Reference Guide

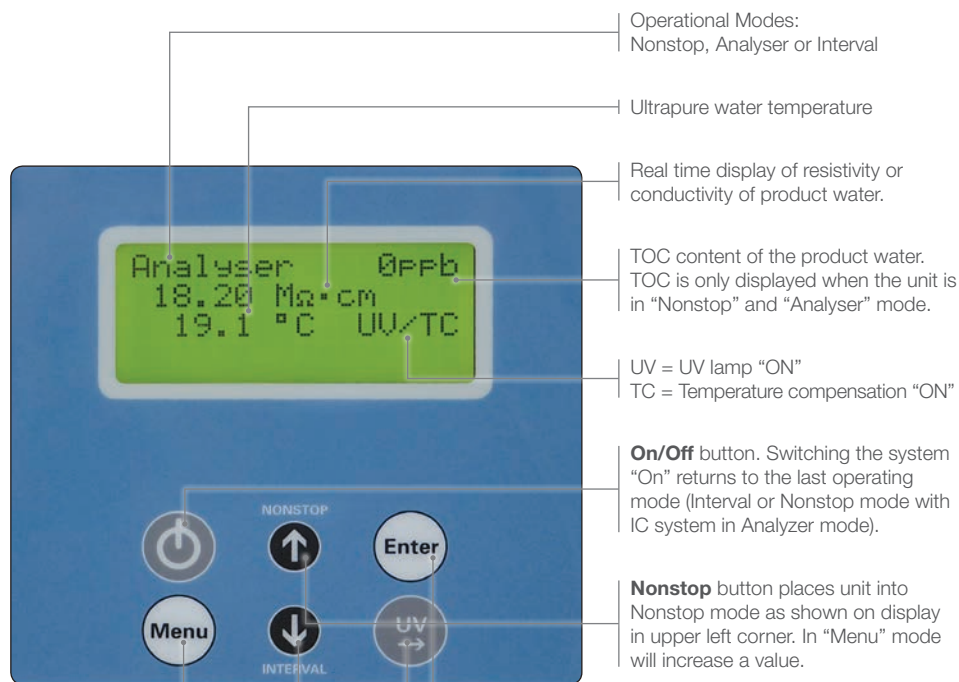


Please refer to operation manual for complete instructions

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Display Functionality Keys and Readout



Operational Modes:
Nonstop, Analyser or Interval

Ultrapure water temperature

Real time display of resistivity or conductivity of product water.

TOC content of the product water.
TOC is only displayed when the unit is in "Nonstop" and "Analyser" mode.

UV = UV lamp "ON"

TC = Temperature compensation "ON"

On/Off button. Switching the system "On" returns to the last operating mode (Interval or Nonstop mode with IC system in Analyzer mode).

Nonstop button places unit into Nonstop mode as shown on display in upper left corner. In "Menu" mode will increase a value.

Enter confirms and saves selections.

UV button turns UV light on. UV light should be on during working hours. In "Menu" mode, moves cursor to right.

Interval button will decrease a value.

Menu button provides access to main system user adjustable parameters. Acts as a scroll button to advance to next screen.

Listed in order:

- Feed water resistivity and limit value
- Ultrapure water resistivity limit value
- UV lamp timer
- Cartridge serial
- Rinse procedure
- Disinfection procedure
- Error history
- OEM menu – Unlock user settings by code (see manual)

When operating the unit without a pretreatment cartridge, manually fill the storage tank in back of system or external 20 L tank with pretreated ASTM Type II water. The tank should only be filled with potable tap water if the pretreatment cartridge is used in the Dionex IC Pure system. Avoid draining the tanks completely to prevent introducing air to the system.

Operation

- **Nonstop:** Pump runs continuously. Use this mode during working hours to ensure highest purity water. To put system in Nonstop mode from Interval mode, press the Nonstop button.
- **Analyser:** Displayed on IC Pure system when Dionex ICS is switched on and hooked up to IC Pure.
- **Dispensing** in Nonstop mode only. Dispense by turning flow control knob counter clockwise to open to the desired flow.
 - Automatic dispensing from two points on Dionex IC Pure system to an external IC system. Water can be taken from both IC sampling points simultaneously.
- **Interval:** Standby mode. Unit will automatically switch into interval after 2 hours of non-use.
 - In interval mode, pump cycles for 5 min (adjustable) out of every 30 mins.
 - **Nights and Weekends:** Keep system power on and allow it to automatically switch to interval mode.
 - Displayed purity may change when system is not recirculating.
 - Manually put system in Interval mode by pressing On/Off button twice.
- **Rinse:** Flush of unit – manually activated for 30 seconds (adjustable) in user menu. Rinse system if unit has been off or unused for a long weekend or holiday.
 - Activate rinse by pressing menu button until "Rinse" is displayed and press "Enter".
 - **Automatic Rinses:** Occur when system switches from Interval to Nonstop and when pump recirculates during Interval mode.

Maintenance

Refer to operation manual for complete maintenance instructions.

- Regular maintenance is important for consistent purity. For more information, visit: thermofisher.com/wpmaintenance.
- Change ultrapure cartridge and 0.2 µm final filter when purity has dropped to limit value or a minimum of once a year.
- Disinfect system when changing the ultrapure cartridge. Use reusable disinfection adapter with the cleaning solution.
- Change optional pretreatment cartridge, UV light and/or ultrafilter on a regular set schedule.

Common Alerts

Check operation manual for full list of alerts.

- **Lim. Val. Pure W:** Displayed when purity has reached ultrapure water limit value. Replace ultrapure cartridge.
- **Limit Value Feed:** Displayed when feed water purity limit is out of range. Check feed water supply.
- **Change Cartridge:** Cartridge exceeded maximum time in the system. Disinfect and replace ultrapure cartridge.
- **UV Duration:** UV light has exceeded maximum time in the system. Replace UV light.

