



# QUANTUM<sup>®</sup> CARTRIDGE

Cat. # QTUM0TEX1 / QTUM0TIX1 / QTUM00TVX

## *Replacement*

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### Where used

- Milli-Q<sup>®</sup> Advantage A10<sup>®</sup> system
- Milli-Q Integral 3/5/10/15 systems
- Milli-Q Reference and Milli-Q Reference A+ systems

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### Shipping box content




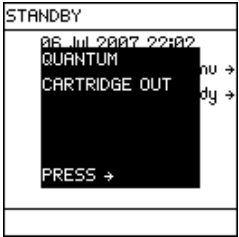
- Quantum Cartridge
  - Instructions sheet
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# Replacing the Quantum Cartridge

**When?** The Quantum Cartridge should be replaced when one of the following Alert or Alarm messages is displayed.

- Alert message = REPLACE QUANTUM CARTRIDGE
- Alarm message = MILLI-Q RES < SP, REPLACE QUANTUM

**Removing** Follow the steps below to remove the used Quantum Cartridge.





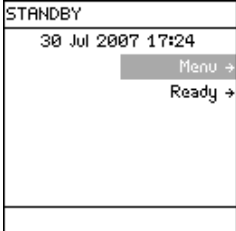
Step	Action	Diagram
1	Place the Milli-Q System into STANDBY Mode.	
2	<ul style="list-style-type: none"> <li>• Push the Q-POD Plunger (or POD Plunger) down once to depressurise the Milli-Q System.</li> <li>• After water stops being dispensed, push down the Q-POD Plunger (or POD Plunger) again.</li> </ul>	
3	<ul style="list-style-type: none"> <li>• Open the Milli-Q System right door.</li> <li>• Remove the used Quantum Cartridge.</li> </ul>	
4	The system indicates that the Quantum Cartridge is removed in a few moments.	

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# Replacing the Quantum Cartridge, Continued

## Placing

Follow the steps below to install a new Quantum Cartridge.

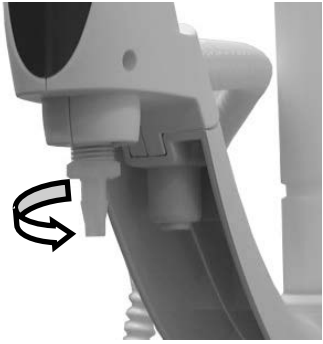

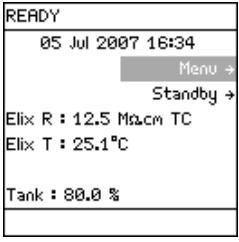

Step	Action	Diagram
1	<ul style="list-style-type: none"> <li>Remove the covers on the 2 ports of the Quantum Cartridge.</li> <li>Wet the O-rings with water.</li> </ul>	
2	<ul style="list-style-type: none"> <li>Install the Quantum Cartridge until it is fully seated.</li> <li>Close the right door.</li> </ul>	
3	When a new Quantum Cartridge is installed, the LCD looks like this.	
4	<p>Press </p>	

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## Replacing the Quantum Cartridge, Continued

### Rinsing

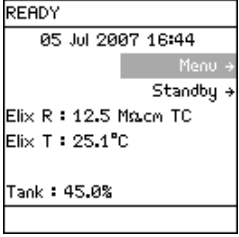
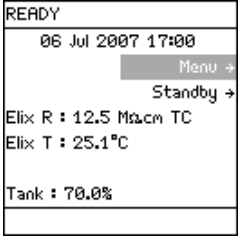
- The Quantum Cartridge, when newly installed, needs to be flushed.
- This ensures optimal water quality.
- Make sure that the reservoir is at least 80% full of water.

Step	Action	Diagram
1	<ul style="list-style-type: none"> <li>• Locate the clear tubing and the barbed fitting from the Milli-Q System Accessories Bag.</li> <li>• Screw the barbed fitting onto the Q-POD Dispenser (or POD Dispenser)</li> </ul> <p><i>Note</i> Do not use any white tape on the threads of the barbed fitting. An O-ring is located inside the Q-POD Dispenser (or POD dispenser).</p>	
2	<ul style="list-style-type: none"> <li>• Push one end of the clear tubing onto the end of the barbed fitting.</li> <li>• Place the other end of the clear tubing into a sink.</li> </ul>	
3	The Milli-Q System must be in READY Mode.	
4	<ul style="list-style-type: none"> <li>• Push the Q-POD Plunger (or POD Plunger) down.</li> <li>• In a few minutes, water should dispense from the Q-POD Dispenser (or POD Dispenser)</li> </ul>	

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## Replacing the Quantum Cartridge, Continued

Rinsing  
(continued)

Step	Action	Diagram
5	<ul style="list-style-type: none"> <li>• Dispense water for about 10 minutes.</li> <li>• This flushes out any trapped air in most of the Milli-Q System.</li> <li>• This also rinses off the purification media located in the Quantum Cartridge.</li> </ul>	 <p>READY 05 Jul 2007 16:44 Menu → Standby → Elix R : 12.5 MΩ·cm TC Elix T : 25.1°C Tank : 45.0%</p>
6	Leave the Milli-Q System in READY Mode when finished.	 <p>READY 06 Jul 2007 17:00 Menu → Standby → Elix R : 12.5 MΩ·cm TC Elix T : 25.1°C Tank : 70.0%</p>

Manual TOC  
Curve Check

Only for a Milli-Q Reference A+ system, perform a manual TOC Curve Check. See user manual.