

### **23G ELEMENT CHANGE TO FULL-FIT**

Beginning April 18, 2012, the 23G Reserve Osmosis (RO) machine will be manufactured with full-fit membrane elements. This is a product improvement on the 23G RO. The use of full-fit elements is designed to minimize/reduce stagnate areas between the outside of the traditional membrane element and the housing.

The new element is still considered a spiral-wound membrane element. However, it does not utilize any type of tape outer wrap or hard, fiberglass shell, nor does it have the traditional brine seal. The membrane material is contained with a mesh outer cover that will allow the material to expand to meet the inside of the housing, eliminating the potential for a stagnant area (and resulting biological growth) that could exist when using tape or fiberglass wrapped elements.

The part number for the new full-fit element is W2T912097. For existing 23G RO machines, an upgrade kit will be necessary to complete the first change-over. The part number for the kit is W3T577640. It includes the element, special membrane to end cap adapters (2) and instructions. Membrane, OS1229398, will no longer be available as a replacement element.

The 23G RO machine serial number with the first set of new full-fit elements is 1298529, dated April 18, 2012.

### **23G RO Machine with TONKAFLO® Centrifugal Pump**

We discontinued manufacturing the 23G RO machine with the TONKAFLO pumps early in 2008. Facilities that have not updated their 23G with a Grundfos pump/motor should not replace their elements with the full fit membrane elements described above due to the possibility of fouling which decreases the permeate water production. The replacement membrane element for a 23G with the TONKAFLO pump/motor is W2T156139.

Contact Technical Support for any additional questions or product expertise on the 23G RO machine.

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