

# Think. Inside. The. Box.

## **MEDICA®-R\***





#### Pre-treatment

I C140

Lifetime expectancy: 6 months What is purified from the water? Chlorine and particulates

Impact of not changing:

Chlorine, chloramine and organics remain increasing the burden on downstream consumables which will need more frequent and expensive changes



#### **Reverse Osmosis**

LC143

Lifetime expectancy: 24-36 months What is purified from the water? Majority of organics and inorganics Impact of not changing:

High levels of organics and inorganics remain in the water reducing the functional life of the DI pack



DI Pack

LC141

Lifetime expectancy: 6 months What is purified from the water? lons

Impact of not changing:

Weakly bound ions are released back into the water reducing resistivity



#### **UV** light

LC105

Lifetime expectancy: 12 months What is purified from the water? Inactivates DNA and RNA

Impact of not changing:

Uncontrolled bacterial contamination



Composite Vent Filter

LC136M2

Lifetime expectancy: 6 months What protection does it provide?

Reduces CO<sub>2</sub> and airborne organics from entering the sealed system

Impact of not changing:

Increase in airborne contaminants and potential recontamination of purified water



### 0.2µm Capsule Filter

LC125

Lifetime expectancy: 6 months What is purified from the water?

Particulates and bacteria

Impact of not changing:

Potential recontamination of purified water and reduced flow rates.

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<sup>\*</sup>A combination of treatments and technologies produce the final water specification.