

Think. Inside. The. Box.

MEDICA®-R*



Pre-treatment

LC140

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?

Ions

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 CO₂ 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.



*A combination of treatments and technologies produce the final water specification.