

SELECT FUSION

The Select Fusion is purpose built for analytical and life science applications that need small volumes of ultrapure water to 18.2MΩ.cm from a mains supply, typically up to 50 litres per day, in addition to purified water for general laboratory use.

The self-contained, dual quality system integrates pre-treatment, reverse osmosis, UV photo-oxidation, ion exchange and sub-micron filtration technology in a single, robust and compact enclosure.

A high contrast LCD shows system status, including water quality, TOC, temperature and flow rates. Visual and audible alarms are also included, while event data can be downloaded via a standard USB port.

The system provides take-off through either an ultrapure water dispenser or a separate bib tap. When it is not being used, water quality is enhanced by automatic recirculation.

The Select Fusion can be wall or bench mounted and is supplied with an installation kit and a full set of consumables.

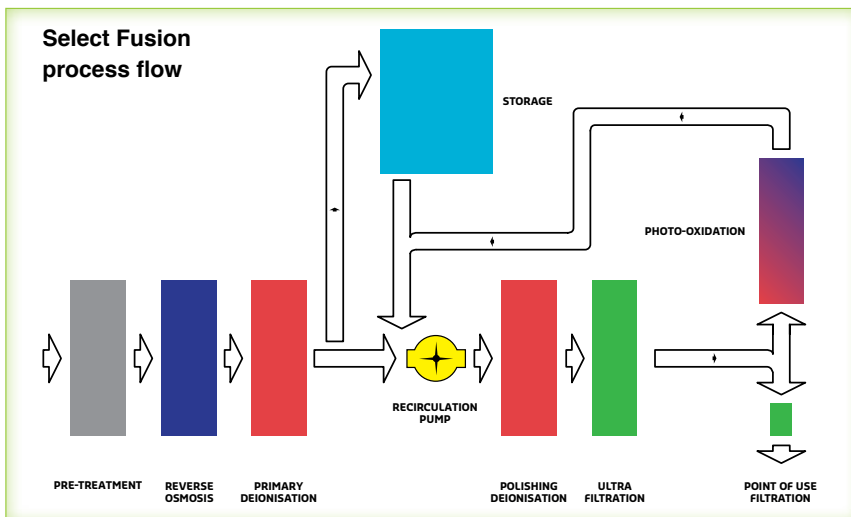


Treated Water Specification	High Purity Dispense	Purified Water Storage Tank
Inorganics	up to 18.2MΩ.cm	>1MΩ.cm
pH ¹	Neutral	
Bacteria	<0.1 cfu/ml	>99% rejection ²
Organics – TOC (ppb)	<5	<50
Particles	<0.2µm	–
Endotoxins	<0.001EU/ml	–
DNases	<4pg/µl	–
RNases	<0.01ng/ml	–
Dispense modes	Latched – hold – volumetric	
Dispense flow rate	up to 2.0 l/min	up to 2.0 l/min

¹ pH of stored water may decrease due to absorption of free carbon dioxide
² When measured directly across the membrane

Product Outputs*	Unit Size			
	40	80	160	320
@ 10°C (l/hr)	3.6	7.2	14.4	30
@ 25°C (l/hr)	6	12	24	48

* Product outputs based on a feed water pressure of 4 bar



Technical Specification	Fusion
Pure water storage	20 litre
Display panel	LCD – colour touch screen
Pre-treatment	✓
Reverse osmosis	✓
Deionisation cartridge	✓
Ultrapure polishing cartridge	✓
UV lamp	185 / 254nm
Internal filtration	Ultrafiltration
Point of use filtration	0.2µm
Recirculation	✓