

Select Bio



Design Features

- ✓ Reverse Osmosis Module
- ✓ Graphics/Mimic Display
- ✓ Pre-Treatment Pack
- ✓ 0.1um Bacterial Filter
- ✓ Pure Water Recirculation Pump
- ✓ 254nm UV Lamp & Additional 0.2um Filtration
- ✓ Integral Purified Water Storage Tank

Benefits

- High Quality Membrane that supplies economic purity
- Constant visual confirmation of status
- Ensures longevity of Reverse Osmosis Membrane
- Enhanced bacterial, particulate and endotoxin specification
- Constantly circulating water to prevent degradation
- Ensures bacterial integrity of system
- Allows top quality water to be used only when needed

Flexibility

The Select Bio has combined UV, RO and static filtration technologies to ensure a constant supply of ISO Grade 1 water with enhanced bacterial specification. The integral and additional tanks then allow the system to increase with your needs as they evolve.

Choice of outputs

With 5 production rates ranging from 5L/hr to 46L/Hr the BIO can supply numerous applications and can also grow with increasing demand with the addition of high output membrane module packages and larger storage tanks to allow a constant supply at increased flow rates.

Water Quality

The range of technologies ensures water quality water production. This quality is then maintained by the unit automatically cleaning the RO membrane to ensure its peak performance, and recirculation through the UV and 0.05um internal filter from/to the tank, while the additional tank UV and 0.2um point of use filtration is the final guarantee of bacterial purity.

Compact

The systems contain an integral storage tank within their compact footprint. This not only removes potential areas of contamination but also ensures that there is always water available on demand. If your needs exceed the supply then the addition of storage tanks enables the system to grow with you, without taking up valuable bench space.

Easy to Use

The system automatically controls the level of water within all tanks and ensures that it is at the correct quality levels. Dispensing from any of the outlets will prompt the production of additional water, whilst during periods of low usage the unit will automatically recirculate water to maintain its quality. Therefore users will be able to take water on demand.

Value

The unit has been designed to supply high quality water economically throughout its lifetime. This is achieved by the design features enable quick & easy cartridge changes while the integral tank stops leaks from wasting valuable water. In addition the Generation Pack can evolve into any of the other units within the Select range so that new equipment does not have to be purchased as your needs grow.









For further information please contact us on
01844 217 141

www.purite.com

For prices and to Select the Best unit for your needs please use the General Datasheet or contact us using the details at the bottom of the page.

<u>Specifications</u>	40, 80 & 160	320 & 640	<u>Product Quality</u>	40, 80 & 160	320 & 640
System Footprint			BS EN ISO 3696	Grade 1+	Grade 1+
H –	650	880	ASTM	Type 1	Type 1
W –	387 & 440	387 & 440	Resistivity	14-18M Ω -cm	14-18M Ω -cm
D –	548	548	Residual Solids	<0.1ppm	<0.1ppm
			Heavy Metals	<0.1ppb	<0.1ppb
Weight (inc water & cartridges)	30Kg(+2 inc Boost)	46Kg(+2 inc Boost)	Ca	<0.03ppb	<0.03ppb
			Na	0.02ppb	0.02ppb
Power Requirements	85-230V/50-60Hz	85-230V/50-60Hz	K	<0.02ppm	<0.02ppm
Feed Water Requirements	Potable	Potable	Pb	<0.01ppb	<0.01ppb
			Si	<0.5ppb	<0.5ppb
			Ph	Neutral	Neutral
Maximum TDS	1000ppm	1000ppm	Bacteria	<1CFU/ml	<1CFU/ml
Minimum Inlet Pressure	2 Bar	2 Bar	TOC	<10ppb	<10ppb
Maximum Inlet Pressure	6 Bar	6 Bar	Organics	<0.001AU@254nm.	<0.001AU@254nm.
			Particles	0.1um Free	0.1um Free
Product Water Quality	1-40C	1-40C	Endotoxins	0.25EUml	0.25EUml
<u>Accessories</u>			<u>System Output</u>		
Integral Tank	20L	30L	L/Hr @25C	5.7 & 11.4	22.8 & 45.6
External Tank	50L	100L	L/Hr @10C	3.3 & 6.7	13.3 & 26.7
Boost Pump	Y	Y			

Other Purite Solutions

Primary Water	Pure Water	Ultra-Pure Water	Systems	Service	Exchange
					

These systems economically produce high quality water with significant reductions in ionic contaminants.

In addition to the Primary Water systems these units further purify the water to Grade 2&3

Further purification of Pure Water systems results in grade 1 water producing a resistivity of 18.2MO and TOC <1ppb

Needs exceeding 640L/dy or for specialist applications (Renal, etc)

A range of service contracts covering all Purite and some OEM equipment is available

This simple to manage solution allows the production of pure water in larger easy to dispense volumes. When the cylinder runs out simply change it for another.