



OASIS-Lab Series Purified Water Systems

OASIS-Lab Series water purification systems provide a simple and effective means of producing lab or instrument grade water from most feedwater sources. Applications include reagent or product formulation, supply to instrument sterilisers and autoclaves, topping up batteries and water baths, as a supply for environmental test chambers and constant humidity rooms and as pre-treatment for ultra-pure water systems.

Purification stages combine pre-treatment (sediment removal, ion-exchange and dechlorination), reverse osmosis and final deionisation polishing to remove >99.5% of contaminants from feedwater. After passage through the reverse osmosis membrane, the treated water is stored in a sealed pressurised tank and on demand through a final deionisation polishing cartridge and water quality monitor before exiting to your point-of-use. An optional in-line UV lamp is available if sterile water is required.

Water from the **OASIS-Lab** systems conforms to international ASTM Type 2 standards.



Typical installation



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Integrated sump-free cartridge filters supplied with each **OASIS-Lab** system feature our Easy Change technology to make filter exchange quick, simple and leak-free. RO membranes are available with outputs of 180lpd (standard) and 250lpd (optional).



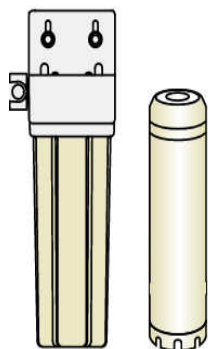
Installation of the **OASIS Lab** systems is straightforward as each system comes with an installation kit including tubing, drain clamp saddle, feedwater connection fittings, feedwater pressure limiting valve and a comprehensive user's manual. The storage tank and water purification stages can both be mounted together under a bench or the purification hardware mounted in one location and the storage tank remotely (up to 3m apart).

Four models are available.

- The **OASIS-Lab-180** produces 180 lpd of purified water
- The **OASIS-Lab-180-UV** produces 180 lpd and includes a UV sanitation lamp.
- The **OASIS-Lab-250** produces 250 lpd of purified water
- The **OASIS-Lab-250-UV** produces 250 lpd and includes a UV sanitation lamp.

All OASIS LAB systems come with a 12 litre air-pressure storage tank, water quality monitor, installation kit and stand. Options are available for larger storage tanks (up to 60 litres), multiple outlet taps, and additional pre-treatment for high sediment or bore water sources.

Optional accessories



Evolet anti-scale cartridge: Order code SC-10

For areas where feedwater hardness is above 100ppm, scale formation may occur on the RO membrane surface over time, reducing system performance and flow rate. Our Evolet anti-scale cartridge uses a unique media to convert soluble calcium and magnesium minerals into a Nano-crystal structure which does not adhere to membrane surfaces and is readily flushed to drain through the normal RO mechanism. These cartridges can be incorporated into the QRO systems during manufacture, supplied complete with filter housing, or retrofitted to existing 10" filter housings or supplied with Easy Change filter format. Cartridge life is typically 5 years.



Storage tanks: Order code RO-ST-xxxx

Air pressure storage tanks are available in sizes between 8 and 120 litres with corresponding draw down volumes of 4.8 to 70 litres @ 2.76Bar. Increased storage tank capacity enables the **OASIS Lab** systems to meet peak demand requirements when a large volume is required at any one time and the system is not being heavily used outside this peak time. Such applications include media manufacturing where large batches are made throughout the day, multiple steriliser operation and dishwasher operation.

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