

purified water systems for clinical analysis

high quality, high volume purified water systems,
designed for use with a wide range of clinical
analysers from all leading manufacturers

SUEZ Water UK



purified water systems for clinical analysis

Our range of advanced water purification systems ensure the highest quality feed for clinical analysers and offer:

- A reliable, uninterrupted supply
- Precisely controlled levels of purity
- Simple operation
- Low operating costs
- Full duty standby configuration
- Emergency bypass system

Every system is engineered to the highest standards, conforming to ISO9001, and has been developed using proven water purification technologies, linked to advanced control, monitoring and diagnostic systems, in compact, self-contained units.

Installation, operation and maintenance are straight forward, with the option for systems to be customised to meet the specific requirements of each clinical analyser manufacturer.

Each water purification system complies with the latest water quality standards, including ASTM, CLRW and CLSI. Depending on specification, systems are capable of producing water quality to 18.2M Ω -cm, with bacterial levels less than 1cfu/ml and the rejection of ions down to 0.01mg/l.



Integra HP

total peace of mind

High purity water has always been a critical element in clinical diagnostics. Advances in analyser technology, with increasing automation, are now placing even greater demands on purified water systems.

That's why the latest generation of systems from SUEZ Water Purification Systems UK have been designed to offer the optimum combination of quality, reliability and simplicity, with low operating costs and outstanding customer support from our global network of offices and distribution partners.

features & options

We offer a wide range of water purification solutions, with a comprehensive choice of options. Typical specification includes features such as:

- Carbon pre-treatment
- Reverse osmosis
- Ion-exchange
- Carbon dioxide membrane degassing
- Ultraviolet irradiation
- Bacterial filtration
- Fully integrated design
- A choice of make-up rates to 600l/hr
- Full colour intuitive LCD touch screen
- Variable speed distribution pump
- Feed water break tank (Cat5 compliant)
- Manual bypass (optional)
- Full duty standby configuration
- Water use totaliser
- Compact design for floor standing, bench, under bench or wall mounted installations

typical system pairings

Systems used for analyser supply are typically:

- Select HP – up to 30l/hr
- Integra HP - up to 190l/hr
- Integra 200E – up to 200l/hr with EDI
- Integra L – up to 600l/hr

uses of clinical grade water in analysers

Poor water quality not only affects the tests themselves but also the general operation of the analyser and the reliability of the test results.

Water is used in virtually all of the processes within clinical analysers:

- Washing reaction cuvettes
- Feeding wash stations for probes and stirrer paddles
- Diluting reagents, samples and detergents
- Incubator baths
- As an interface between syringe and sample



Select HP



Integra L



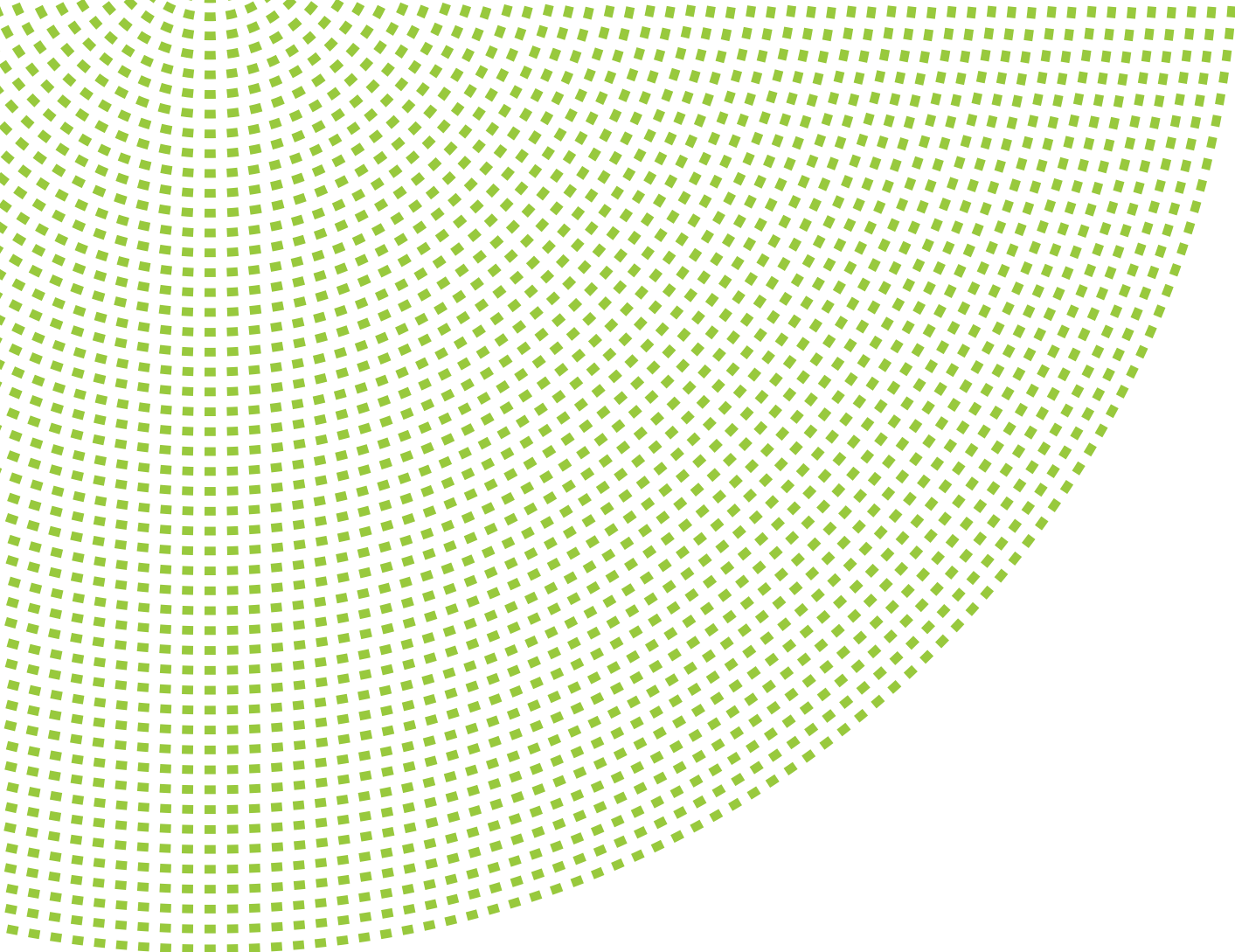
Integra 200E

effects of impurities in the water

The analyser specification limits four key types of impurity in pure water – ions, particulates, organics and bacteria.

All will impact on analyser performance, either by direct interference with the chemistry of the tests, or indirectly, by introducing errors in the measurements.

Scaling can also be a factor that affects analyser performance and can increase maintenance costs.



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Errors and Omissions excluded. SUEZ reserves the right to change the specification in accordance with our program of continual improvement.