

# ELGA PROCESS WATER

## Service Deionisation (SDI)

Purified Water

Deionised Water

Demineralised Water

DI Water

Process Water

Pure Water

Cylinder Exchange





### About ELGA Process Water

ELGA Process Water is part of Veolia Water Solutions & Technologies (VWS), a subsidiary of Veolia Water, which is one of the world's major providers of technical solutions and facilities for water treatment.

With a history of over 30,000 industrial installations and a network of qualified and experienced technology specialists, we are able to offer flexible and sustainable solutions to achieve the highest water purity for your business operation from one source.

### Pure water solutions

Process water is an essential component in a wide range of process and production applications. With today's demands to improve product quality, increase efficiencies, reduce water and energy consumption, ELGA Process Water is well positioned to provide the broadest possible service to meet your needs.

We will supply you with an optimised water treatment system for your application by combining our wide range of media in configurations to meet your requirements. This allows us to produce the most cost effective and efficient water solutions for your business:

- 1 - 18M $\Omega$ -cm
- Low Total Organic Carbon
- Low Trace Dissolved Metals
- Low Residual Solids

Ideal for Industrial, Laboratory, Pharmaceutical and Healthcare.

- 1- 0.055  $\mu$ S/cm
- Low Organic
- Low Silica
- Low Carbon Dioxide

### Service Deionisation (SDI)

Our SDI service has been supplying a regeneration service to customers in the UK for over 50 years. The service provides an exchangeable cylinder of media, which when exhausted, is replaced by a freshly regenerated one, delivered to the customer's site. This easy to use service ensures that a constant supply of pure water is maintained.

Ordering replacement cylinders is very easy with a range of products to meet all your water needs. Our delivery options are flexible and you can rely on us to deliver on time with our own dedicated fleet of vehicles.

Our experienced team can advise you on the correct cylinders and media for your application and help you with installation and start up.

Boiler feed water

Process water

Lubricant dilution

Chemical blending

## Benefits to you:

- Chemicals are not required - no chemical handling or storage
- No waste water or effluent to drain
- Easy to upgrade to meet more demanding quality or flow requirements
- Capital investment not needed
- A simple and sustainable way to supply pure water



You are welcome to visit our high tech regeneration facility, which is one of the largest of its type in Europe, for site tours, training seminars and factory inspection visits.

## Product selector

Application	Typical Water Quality	Product
Battery Top Up	50 – 10 µS/cm	C119 / C124 / C500
Glass & Glazing Manufacturers	50 – 10 µS/cm	C119 / C124 / C500 / C900 / C1000 / IHF300
Humidification	50 – 10 µS/cm	C119 / C124 / C500 / C900 / C1000 / IHF300
Printing	50 – 10 µS/cm	C119 / C124 / C500 / C900 / C1000 / IHF300
Aqueous Cleaning (Printed Circuit Boards)	1.0 – 0.1 µS/cm	AQ1D / AQ2D / AQ5D / AQ9D / AQ10D
Anodising/Electroplating	1.0 – 0.1 µS/cm	AQ1D / AQ2D / AQ5D / AQ9D / AQ10D
Optical Devices Lens Manufacture	1.0 – 0.1 µS/cm	AQ1D / AQ2D / AQ5D / AQ9D / AQ10D
Washing Machines	1.0 – 0.1 µS/cm	AQ1D / AQ2D / AQ5D / AQ9D / AQ10D
Spark Erosion/EDM	1.0 – 0.1 µS/cm	AQ1D / AQ2D / AQ5D / AQ9D / AQ10D
Optical Devices Contact Lens Manufacture	1.0 – 0.055 µS/cm	C140 / C240 / C540 / C940 / C1040 / IHF340
Precision Instruments	1.0 – 0.055 µS/cm	C140 / C240 / C540 / C940 / C1040 / IHF340
PCB Manufacture	1.0 – 0.055 µS/cm	C170/ C270 / C570 / C970 / C1070
Environmental/Materials testing chambers	1.0 – 0.1 µS/cm	C118 / C124 / C510
Product Conservation	1.0 – 0.1 µS/cm	C118 / C124 / C510 / C910 / C1010
Product Make-up	1.0 – 0.1 µS/cm	C118 / C124 / C510 / C910 / C1010 / IHF310
Steam Generation (inc autoclaves)	1.0 – 0.1 µS/cm	C118 / C124 / C510 / C910 / C1010 / IHF310
Equipment Cooling (lasers/furnaces)	1.0 – 0.1 µS/cm	C118 / C124 / C510 / C910 / C1010 / IHF310
TOC, Chlorine, Colour, Taste and Odour Reduction		C160 / C260 / C560 / C960 / C1060

Our flow rates go from 140 litres per hour to 10,000 litres per hour. For higher flow rates, check out our Aquamove service, offering mobile solutions for a number of applications that include emergency breakdown, planned maintenance, new plant commissioning, pilot trials, seasonal capacity uplift, pipe flushing and water quality changes. [www.aquamove.co.uk](http://www.aquamove.co.uk)

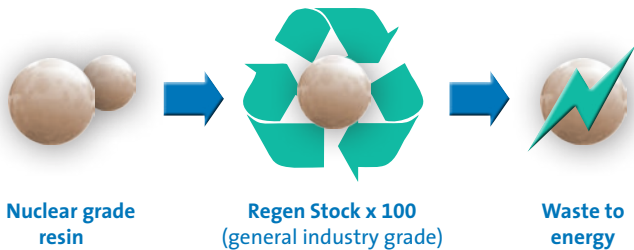
Dilution Stator cooling Battery water  
Heating system filling Window cleaning

## A sustainable and environmentally friendly service

As part of Veolia, the world's largest environmental company, we are always striving to reduce our impact on the environment. Our SDI service is structured and centrally managed to achieve maximum recyclability and sustainability.

- 98% of ion exchange resins used in SDI cylinders are recycled
- Spent resins are incinerated to produce electricity, saving on fossil fuels and landfill
- We use energy efficient inverter driven pumps in our regeneration facility

## Reduce – reuse – recycle



## Contact us

Contact us for a review of your current system and to find out how we can deliver improved performance, sustainable energy, water and cost savings, and help you reduce your CO<sub>2</sub> footprint.



## One trip per exchange

Our centralised stock holding enables us to offer quick and easy delivery to meet your timescales. By using our route planning technology and own dedicated fleet, we can make just one trip per exchange – supplying and taking away at the same time.



Our own delivery fleet

er Lab product pre treatment  
Aqueous cleaning

# A service tailored to your needs

Let us take care of your pure water needs while you concentrate on your core business. We offer three levels of service to suit your operation:

## SDI

Provides a straightforward exchange service for customers who own existing cylinders and equipment. Customers can order single exchanges as they go or purchase discounted vouchers in advance for 3 to 24 exchanges – saving money and administration time.



## SDI inclusive

Provides rental of cylinders and installation fittings so there is no capital expenditure on equipment. Customers purchase cost saving vouchers for 6 exchanges in advance.



## SDI inclusive+

Like the Inclusive service SDI Inclusive+ provides the rental of equipment but additionally includes the rental of a water quality indicator. Customers purchase cost saving vouchers for 6 exchanges in advance.



## Buy online – save time and money

To save you time and money you can purchase and redeem your prepaid vouchers or single exchanges online. Registration and log in to your account is very quick and easy with secure payment by credit card or purchase order. The online store is always open for business so you can order at a time to suit you.

**For more information visit  
[www.elgaprocesswater.co.uk/sdi](http://www.elgaprocesswater.co.uk/sdi)**

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