



COMPLETE DOSING SYSTEMS

DOSING SYSTEMS FOR:

WATER TREATMENT

WASTE WATER TREATMENT

PHARMACEUTICAL

FOOD & BEVERAGE

SWIMMING POOLS

LEISURE POOLS

ANIMAL FEED



ProMinent®



OFF THE SHELF SYSTEMS



OFF THE SHELF

- PUMPS**
- SENSORS**
- CONTROLLERS**
- TANKS**
- CHLORINE**
- CHLORINE DIOXIDE**
- OZONE**
- REVERSE OSMOSIS**
- FLOCCULATION**
- UV IRRADIATION**
- GRAVITY FILTRATION**

ProMinent has been a supplier of water treatment equipment for more than 40 years. We can offer an impressive portfolio of "off the shelf" specialist products which include a huge range of chemical, filtration and irradiation treatment systems.

Chemical Treatment

We can supply chemical treatment systems which range from simple DULCOPOOL disinfectant dosing systems for swimming pools to the sophisticated Dulcoclean® complete water treatment plant for producing potable water to World Health

Organisation standards. Ozone and chlorine dioxide are popular and powerful disinfectants used in a variety of applications since they do not have any residual taints or odours. Bello Zon® chlorine dioxide generators are cost-effective systems for producing chlorine dioxide on demand.



Dulcoclean®

Ozone is one of the strongest disinfectants and is particularly effective against bacteria, viruses, spores and parasites. Our Bono Zon® and OZONFILT® ozone generators produce ozone safely and effectively over a wide capacity range.



DULCOPOOL



Bello Zon®



Bono Zon®



OZONFILT®





CUSTOMISED TURNKEY SYSTEMS



- DISINFECTION**
- pH CONTROL**
- ADDITIVES**
- LEAD REMOVAL**
- PHOSPHATE REMOVAL**

Although many water treatment needs can be met by "off the shelf" solutions, more and more customers are turning to ProMinent for complete customised chemical dosing and control systems. Our dedicated Special Projects Department was set up to devise, design and manufacture turnkey systems to meet the needs of these customers.

Expert knowledge

The Special Projects Department offers a wealth of expertise in water disinfection and wastewater treatment for many different industries. With a unique blend of technical and engineering expertise, practical experience in customer applications and in-depth product knowledge, the team is well-equipped to address any dosing requirement.

CUSTOMISED

Attention to detail

The development of customised systems requires meticulous attention to detail. We work closely with customers to examine each individual stage in their particular process and assess the chemistry needed for the optimum treatment.

Simple or complex

Since we use our own high quality dosing pumps, sensors, controllers, tanks,



stirrers and valves, we can configure systems from the simplest pH control to complex duty/standby dosing systems for special chemical dosing.

Systems are mounted on rugged polypropylene skids or in customised frames or cabinets.





CUSTOMISED TURNKEY SYSTEMS

Water treatment applications

Customised dosing systems are used in a host of water treatment applications in the water and wastewater industries, swimming pools, food industry and even air scrubbers. Examples include units for dosing lime slurry, sodium hypochlorite, ferric salts, sodium bisulphite and orthophosphoric acid. In wastewater treatment, pH correction is essential to meet discharge limits. If there are changes in discharge limits or the type of pollutants generated or if a factory undergoes production changes the addition of customised pH control may avoid the costs involved in a major overhaul of the effluent treatment system.



CUSTOMISED

Other treatment applications

We have produced a number of customised systems for other applications. These include plumbosolvency test rigs, manufactured in line with the recommendations of the UK's Drinking Water

Inspectorate, which can be used to evaluate lead levels in potable water before and after treatment. Liquid metering systems for the food industry have been produced for dosing enzymes, vitamins, flavourings, amino acids, fats and oils.

Mobile dosing systems

Our customised dosing systems are not restricted to static turnkey systems. We have built a number of mobile dosing systems either in fully equipped dosing trailers or mounted on trolleys for easy transportation.

Trailer mounted versions of dosing systems for specialist chemicals such as chlorine dioxide dosing have also been produced.





OFF THE SHELF SYSTEMS



DULCOPOOL

Dulcoclean®

Bello Zon®

Bono Zon®

OZONFILT®

Ultromat®

Reverse Osmosis

INTERFILT®

OFF THE SHELF

Chemical treatment is not restricted to disinfection applications. Ultromat® polyelectrolyte batching and dosing systems are used to dose organic flocculent for the removal of colloidal solids from liquids.



Ultromat®



Reverse Osmosis



SK Gravity Filter

Filtration

Our Reverse Osmosis systems can be configured for ultrafiltration applications, where particles up to 1 micron can be removed, or for nanofiltration applications for the removal of salts from water. We can also offer the INTERFILT® SK Gravity Filter range of sand filter systems for use in a host of applications including river, industrial and potable water treatment.



UV Irradiation

UV disinfection systems are useful where chemical additives cannot be used. Our low pressure (Dulcodes) and medium pressure (Powerline) lamp UV irradiation systems are used in industrial, food and beverage, swimming pool and semiconductor applications.



CUSTOMER FOCUS



No matter how big or small the system we supply, our focus on customer satisfaction remains exactly the same. Our customised systems enjoy the same reputation for quality and reliability as the "off the shelf" products.

Partners in industry

As well as working with end users, we also work closely with systems integrators who turn to ProMinent to supply specialised dosing sub-systems for inclusion in major installations.

ISO Accreditation

BS EN ISO9002 certification for local supply, distribution, and support for ProMinent products also covers the Special Projects Department. This reflects the importance placed by the ProMinent Group on quality in manufacture

and service to ensure that the needs of our customers are met.

Installation

Our customised dosing systems are supplied ready to connect into the customer's waste system. Fully tested before leaving the factory, the units are installed and commissioned by experienced engineers.

Technical support and service

Our specialists are available to give technical back-up and advice once the systems are installed. A full range of service contracts is available to suit individual customer needs.

Training

We have dedicated training facilities at our Ashby de la Zouch headquarters. Our specialists can offer "classroom" or on-site training courses.



INTERNATIONAL NETWORK

ProMinent UK is part of the global network of ProMinent companies. With product manufacturing centres in Germany, Malta and the Czech Republic and nearly 40 wholly owned subsidiary companies throughout the world, ProMinent is a truly international organisation.

Information Exchange

Many of the ProMinent companies worldwide have also developed special dosing systems to meet their local customer requirements. Regular international meetings and a well-established application intranet allows ready exchange of information with our international partners, giving an even greater range of technical expertise to call upon.

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