

Watertec Engineering is a world leader in providing innovative and quality water and wastewater treatment and disinfection solutions to communities and industry throughout the world. The Directors of Watertec Engineering have a combined knowledge and experience of more than 40 years in the water industry, and since 1988 Watertec has been designing, installing, operating and maintaining systems for the treatment, purification, disinfection, desalination, reuse and analysis of water



Water Re-Used WTP

A Comprehensive Range of Technologies

Watertec Engineering's technologies and equipment include ozonation (O₃), ultra-violet (UV), reverse osmosis (RO), ultra-filtration (UF), micro filtration (MF), membrane bioreactors (MBR), and we are able to provide the best solution to meet pure water, potable water, and waste water requirements.

Global Centre of Excellence for Ozonation

Watertec Engineering is recognised internationally as a leader in the use and application of ozone and ultra-violet. Watertec designs and manufactures, in Australia, the *Ozgen*TM range of ozone generation and associated equipment, which is exported to the world market. From many



Ozgen Ozonator

years of experience we have developed extensive expertise in the use and application of ozone in a wide range of industries including recreational aquatic leisure centres, potable water, sewage, industrial wastewater, life support systems for aquariums, oceanariums and aquaculture.

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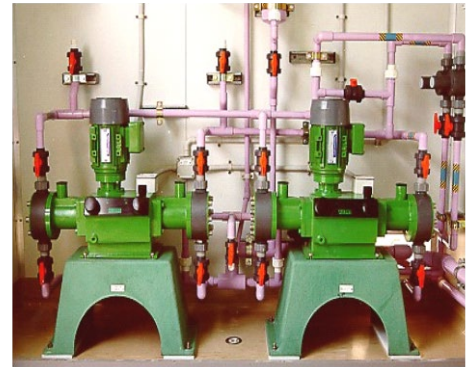
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Dosing Metering Equipment, Skid Mounted Dosing Packages

Watertec has a long tradition of design and manufacture of chemical dosing packages, and we offer an extensive range of metering and associated dosing and mixing equipment. Our engineered Watertec dosing systems and packages cover Powdered Activated Carbon (PAC), Polymer, Lime, Chlorine-Dioxide, Gas-Chlorination and Liquid Chemicals. We are distributors of a wide range of activated **carbons**.



Chemical Dosing System

UV Systems



Ozgen UV System

Watertec is able to provide a range of Medium Pressure UV System from 100 m³/hr to 1000 m³/hr

We have developed extensive expertise in the use and application of UV Systems in a wide range of industries including recreational aquatic leisure centres, potable water, sewage, industrial wastewater, life support systems for aquariums, oceanariums and aquaculture.

A Comprehensive Range of Services

Watertec Engineering is able to provide sound and innovative solutions. Watertec offers a comprehensive range of after market support including full range of spare parts, contract servicing, system upgrades and technical support.

Watertec Engineering has implemented a quality assurance program and is working towards accreditation to AS9000.



Manufacturing Capabilities

Watertec Engineering has a modern manufacturing facility in Brisbane, Australia and Malaysia. We design, manufacture, assemble and test a wide range of equipment and systems in-house. All equipment is tested and pre-commissioned as far as possible before dispatch to our clients.

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Application Expertise

Watertec has a wealth of experience in water treatment and disinfection.

Some areas of our application expertise are as follows;

Applications	Industries/Markets
<ul style="list-style-type: none"> • Potable Water • Water Reuse • Wastewater • Demineralized Water • Ultra pure Water • Desalination • Disinfection • Zero Liquid Discharge • Aquaria Life Support Systems • Colour Removal • Toxin Removal • Total Organic Carbon + Dissolved Organics Removal • Chemical dosing 	<ul style="list-style-type: none"> • Aquaculture • Aquariums and Oceanariums • Commercial Laundries • Food & Beverage • Industrial • Marine Parks • Microelectronics • Mining • Municipal • Petrochemical • Pharmaceutical, Cosmetics & Biotechnology • Power • Recreational Water (Commercial Swimming Pools & Aquatic Centres)

Engineering and Design Capabilities

From skid-mounted equipment through to complete plants, Watertec is able to engineer, design and install as required. Watertec has a flexible Engineering team capable of designing, specifying and commissioning a range of systems. This team comprises project managers, mechanical, electrical, process and start-up engineers along with an AutoCAD drafting office. Depending on project requirements this team is supplemented with qualified and experienced engineering resources.



Carbon Dosing System

Flexible Delivery Options

Watertec is able to provide a total solution to meet your requirements whether equipment or a skid-mounted package plant. With Watertec's systems and facilities, Watertec is able to offer a cost effective method of providing quality water.

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Pilot Plant Capabilities

Where required we are able to undertake pilot studies to establish the feasibility of certain processes and technologies in certain applications before commencing process design. Ozone, UV and Advanced Oxidation RO, MF, UF, MBR pilot plants, are available to be placed on site for trial periods.



Pilot Plant



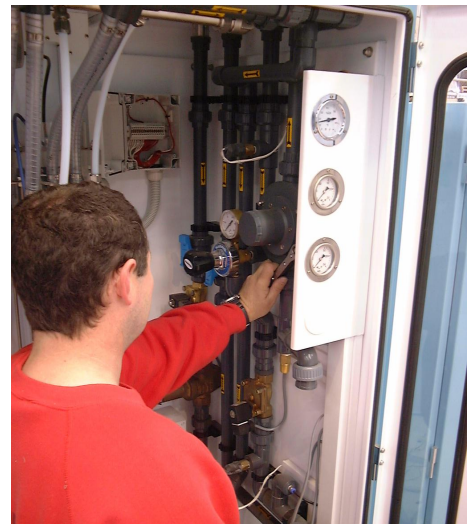
Pilot Plant

After Market Capabilities

Watertec's philosophy is to ensure that our equipment and systems continue to run well from the date of completion. To ensure this we offer our clients an extensive after-sales service. Our experienced team provide a range of services including;

- Technical Advice & Troubleshooting
- Field Servicing
- Maintenance and Life Cycle cost reduction through review and optimization
- System Refurbishment & Upgrades
- Regular Service and Planned Maintenance Contracts
- Annual Refresher Training for Staff & Operators
- 24x7 on-call service & support
- Continual up to date training program for staff and operators

We have dedicated service groups located in Brisbane, Sydney and Melbourne. In addition we have a number of distributors and agents both within Australia and overseas able to service our equipment.



After Sales Service

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Watertec Engineering's Product & Technology Overview

The following products and technologies are marketed by Watertec

Watertec's Membrane Filtration

- Reverse Osmosis (RO)
- Ultra-Filtration (UF)
- Micro-Filtration (MF)
- Membrane Bioreactors (MBR)
- Desalination (Seawater, Brackish Water)

Waste Water Treatment Plants

- STP Range – 10-500 EP
- STPH Range – 500-2000 EP

Pre-Treatment

- Multimedia Filtration
- Carbon Filters

Disinfection – Ozone & Ultra-Violet

- Ozgen Ozone Generators, individual units from 0 – 3000g/hr
- Ozgen Air Preparation Systems – Air Compressors & Heat Regenerative Dryers, from 0 – 40m³/hr
- Ozgen Off Gas Destructors Catalytic & Carbon Types
- Ozgen Ozone Gas Vent Valves
- Ozgen Ozone Control Panels & Injection Panels
- Ozone Vacuum Injectors and Accessories
- Ozgen Foam Fractionators
- Ozone Ambient Leak Detector
- Ozgen Ozone Vacuum Break/Water Trap
- Ultra-Violet (Medium Pressure) Systems, capacities to 1000m³/hr

Disinfection – Other

- Chlorine Dioxide Generators
- Chlorination – Gas & Liquid

Chemical Dosing Systems

Skid mounted, automated package systems for

- Powdered Activated Carbon
- Lime
- Polymer (liquids & powders)
- Nutrient
- General Chemical (Acid, Alkali, Hypo)**

Instrumentation – Sensors & Controllers

- Dew Point
- ORP, pH, Conductivity
- Chlorine, ClO₂, Fluoride
- O₃, H₂O₂, Per acetic Acid
- TOC, Boron

Consumables & Spare Parts

- Ozgen Spare Parts
- Alldos Spare Parts
- Metering & Injection Valves
- Ozone Off Gas Destruct Catalyst
- Ion Exchange Resin
- Pre-Treatment Elements
- Activated Carbon – powder & granular
- Cleaning Chemicals
- Anti-scalent
- Replacement Membranes
 - RO, UF, MF
 - EDI, EDR

Advanced Oxidation

- Any combination of Ozgen Ozone & Ultra-Violet + Hydrogen Peroxide

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