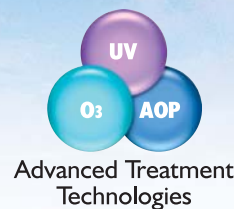


ESCO
International



Expertise & know-how

Water resources are becoming increasingly scarce while wastewater requirements are becoming more stringent. Reuse is both economical and environmentally friendly solution.

In every industrial process water, disinfection and organic/inorganic pollution are crucial part of the total production quality system.

A combination of technologies can condition wastewater to process water requirements.

ESCO International can provide complete ozone and advanced oxidation process solutions to meet or exceed your requirements.

Applications

Ozone and advanced oxidation technologies are successfully used in many industries and markets for disinfection, oxidation, TOC and COD reduction applications.

- Ultra-pure water, electronic & pharmaceutical industries
- Drinking water supplies
- Ground water remediation
- Industrial & municipal wastewater
- Reclaim & reuse & recycling
- Food and beverage industries
- Public and private swimming pools, spas, hospitals
- Cooling water systems
- Bottling & rinsing plants
- Fish hatcheries and farms
- Gas effluent treatment
- Air deodorization
- Colour, odour, taste removal
- Chemical processes

Phone: +44 (0)1492 584140

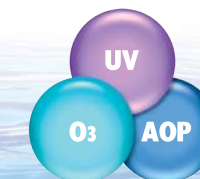
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ESCO
International



Advanced Treatment
Technologies

OZONE TECHNOLOGY

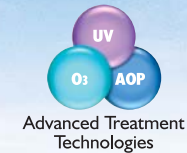
**Standard ozone generators
and ancillary equipment for a
complete functional system**

Treating Water Naturally

The Clean Technology

Ozone Generators

ESCO
International



The Natural Choice

ESCO International solutions & technologies provide an innovative portfolio of technical services and equipment, specializing in ozone, UV and advanced oxidation technologies.

The ozone systems are designed to provide excellent microbiological activity control and destruction of organic compounds and COD.

Features

- Compact design and easy operation
- Modular electronic
- Every dielectric element is built with its own fuse.
- Hydraulic connections made with stainless steel
- Electrical control connections and PSU made on the skid
- Processing instrumentation
- PLC with touch screen control panel

Quality

The Ozone generators are manufactured in accordance with European QA procedures. Ozone generator units & skid units are factory tested and issued with certificates of CE conformity and test results.



Performance

Our ozone generators are designed using the latest development of tubular ozone generator technology, incorporating:

- latest IGBT technology
- specially optimized dielectrics
- modular electrodes & electronics
- high precision, optimized discharge space
- high efficiency power electronics

Reliability

The ozone generators are designed for fully automatic 24 hours operation, 365 days.

The power system is designed for continuous operation between 10 and 100% of nominal power level.

The ozone generators are modular in design, therefore, greater reliability and lower failure rate.

ESCO International provides the best traditions of reliability and quality to ensure low running & maintenance costs and avoid unexpected failures and system downtime.

Safety

Safety is a major consideration in the design of all our product range, our ozone generators and systems are no exception.

Our scope of supply

ESCO provides a wide range of ozone generators, UV systems and engineered advanced oxidation solutions and a full range of carefully selected ancillary equipment.

- Standard ozone generation equipment, ranging from 1 g/h to 30 kg/h, up to 12%wt
- Custom designed ozone generators
- Ozone & AOP skid packages
- Laboratory & industrial Ozone & AOP pilots
- Vent ozone destruction units, thermal or catalytic
- Ozone ancillary equipment including injectors, diffusers booster pumps, contact tanks, degassing systems, ozone monitoring equipment, measurement & control equipment, refrigeration plant for chilling cooling water,
- Oxygen generation equipment, PSA, VSA
- Air compressors, refrigeration air dryers
- Fully engineered & complete Ozone and AOP systems
- Service & maintenance

