



SCOTMAS BRAVO MX

High Purity ClO₂ Generators for Volume Water Treatment

Designed for larger industrial and municipal water supplies, requiring continuous delivery of high volume, high purity Chlorine Dioxide.

- Engineered to industry WIMES¹ 8.02 specifications.
- Produces Chlorine Dioxide to BS EN 12671, thereby Article 10 of the EU Drinking Water Directive 98/83/EC for use in Public Water Supplies.
- Take advantage of the biocidal power of Chlorine Dioxide, using a pre-engineered containerised or skid mount solution with 25 year service life.
- Rapidly meet the requirements of water utility and heavy industrial clients; MODBUS integration and a flexible, industry standard deployment framework.
- Pre engineered plant room solutions allow rapid site deployment and integration with other packaged plant.
- Built-in control of all bulk chemical transfer pumps, air scrubbers and safety systems associated with the package.
- Dose different levels of ClO₂ independently at up to 12 points via an in-line dosing manifold from one Bravo MX generator. No requirement for multiple generators or potentially hazardous intermediate bulk storage of Chlorine Dioxide solutions.
- Guarantee performance 24/7 with full duty-standby/rotation capabilities.

APPLICATIONS

- **Municipal Water.** Apply Chlorine Dioxide post desalination to maintain residual to the final tap.
- **Seawater Cooling.** Reduce environmental impact from by-products associated with chlorine disinfectants. Reduce OPEX and carbon footprint. Less power required, lower maintenance costs, and reduced corrosivity compared to seawater electrochlorination systems.
- **Recirculating Cooling Towers.** Reduce OPEX by removing biofouling, improving heat transfer efficiency and reducing maintenance costs.
- **Oil and Gas.** Production: Ideal for sulphide scavenging, enhanced oil recovery, batch biociding, injection water treatment, and fire water system maintenance. Welfare: Disinfection of bunkered potable water. Low environmental impact, degrades to salt in most environments.
- **Wastewater.** Exceed environmental requirements and maximise reuse options for the circular economy. Polish TSE, reduce Biological Oxygen Demand (BOD), Chemical Oxygen Demand (COD) and potential endocrine disruptors. Combine Bravo MX with remote monitoring for responsive dosing and a complete system picture.

¹ Water Industry Mechanical and Electrical Specifications, ensuring consistent mechanical and electrical specifications for the U.K. water industry, supported by all U.K. water utilities.

BRAVO MX MODELS

MX 6,000	6,000,000 l/hr water (144MLD) treated @ 1 mg/l ClO ₂ Generates 3,200 - 6,000g ClO ₂ /hr
MX 12,000	12,000,000 l/hr water (288MLD) treated @ 1 mg/l ClO ₂ Generates 6,000 - 12,000g ClO ₂ /hr
MX 25,000	25,000,000 l/hr water (600MLD) treated @ 1 mg/l ClO ₂ Generates 12,000 - 25,000g ClO ₂ /hr
MX 40,000	40,000,000 l/hr water (960MLD) treated @ 1 mg/l ClO ₂ Generates 25,000 - 40,000g ClO ₂ /hr



Scotmas Bravo MX duty / standby system in 40" container, installed in Qatar.



Skid mounted Scotmas Bravo MX

SCOTMAS YOUR ClO₂ EXPERTS

Scotmas are internationally renowned, specialist manufacturers of Chlorine Dioxide generation systems with more than 30 years' experience in the field. Employing over 50 staff worldwide, Scotmas are solely dedicated to Chlorine Dioxide technology and can provide all required chemical / process engineering, chemistry, microbiology, and application-specific technical support needed for successful project execution, in conjunction with strong local civil engineering and service delivery partners.