

# HYDREX OSG

HYDREX™

## On Site Generation of Sodium Hypochlorite: HYDREX OSG HYPO models (0, 8%) • MOS models (0, 4%)

Hydrex OSG equipment (which produce fresh Sodium Hypochlorite) control a broad range of microorganisms found in cooling towers, evaporative condensers and air washers thereby preventing the economic losses from fouling, reduced heat exchange rates and other issues caused by microorganisms.

The additional advantage of its effectiveness against many “hard to control” bacteria as well as fungi and yeast makes this product highly cost effective.

Sodium Hypochlorite does not cause foaming at normal use levels.



### Materials Compatibility

PVC, PVDF, CPVC, EPDM, NORYLr, Polypropylene, Styrene acrylonitrile, Teflon, Buna N, EPDM, Ceramic, and Hypalon are the preferred material of construction for tanks, pipes, fitting, and valves.

Aluminum, carbon steel, cast iron, brass, and Nylon are NOT recommended in any part of the chemical feed system. PVC, CPVC, Polypropylene and ceramic are generally the best choices for the pump heads and feed lines.

### Advantages

- Easy to use
- Onsite production of biocide (no degradation)
- Cost effective
- Quick kill, less than 30 minutes
- Can be used for potable disinfection
- Compatible with DBNPA, isothiazoline, bromine, and surfactants

### Specifications of generated biocide

- Physical Form : Light Yellow Liquid
- Density at 20°C (kg/l) : 1.21 Kg/L
- Specific Gravity (g/cm<sup>3</sup>) @ 25°C : 1.21 (Water = 1.00)
- Product pH (as supplied) : 12
- Odor : Medium
- Freezing Point (°C/°F) : - 23°C
- Boiling Point (°C/°F) : 110 °C
- Solubility : Complete in water
- Viscosity : 2.15 Cs @ 23 degree °C

## Equipment

The Hydrex OSG (onsite generator) is designed for high efficiency, low lifecycle cost, durability and reliability. The self-cleaning with self-adjusting flow control is virtually maintenance free. With over 40% improved salt and energy efficiencies and a new self-cleaning system, the Hydrex OSG is built for cost-effective, problem-free operation. The Hydrex OSG features an easy-to-upgrade cell to convert salt in sodium hypochlorite with expandable capacity for ultimate flexibility. Using just salt and power to generate a dilute chlorine-based solution eliminates the storage and handling of hazardous disinfection chemicals while providing chlorine residual.

## Safety Information

Refer to Product SDS for more information. Do not take internally. Avoid contact with skin or eyes, as irritation may develop from exposure. Use Protective goggles, rubber gloves, and rubber or plastic apron when handling. Avoid breathing vapors.

## Application Information

Please contact your Hydrex Representative for the proper dosage and specific control limits for Hydrex OSG solutions based upon water quality and operating conditions.



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