

Hydro-dis® reduces your WHS Risk and Environmental Footprint.

Compare the Hydro-dis® with other water disinfection treatments.

Disinfection	Hydro-dis®	Liquid Hypochlorite dosing	Ultra Violet	Brine Based Hypochlorite dosing
Disinfecting Effect	Elimination of bacteria, viruses and algae, rapid disinfection	Elimination of bacteria, viruses and algae, rapid disinfection	Reduction in bacterial count, rapid disinfection	Elimination of bacteria, viruses and algae, rapid disinfection
Cost of Equipment	Moderate with pay back in most cases within 18 months – biocide effect from electrolytic disinfection with simultaneous residual chlorine production	Moderate due to the cost and set up of hypochlorite storage, dosing equipment, safety precautions and space requirements	High as chlorine dosing is often required to give a chlorine residual	Moderate as requires water softener, brine saturation tank, cooler, dosing system and hydrogen dispersal ventilation
Cost of Operation	Low due to low process costs and limited service and maintenance	Relatively high due to the ongoing purchase of chemicals, calibration and empty container handling and disposal	Low energy costs but high cleaning costs and annual replacement of UV lamps. If chlorine required then cost of chemicals, calibration and empty container handling and disposal	Relatively low due to only raw material being purified common salt. Power usage moderate as requires cooling and ventilation fans as well as cell current
Duration of Disinfecting Effect	Residual effect lasting hours to days	Residual effect lasting hours to days	Disinfection only during radiation, no residual effect unless chlorine used	Residual effect lasting hours to days
Quality of Untreated Water	Conductivity of at least 300 to 4000µS/cm2	Not applicable	Turbidity and colour must be kept low	Not applicable
Safety Risks	Low - hydrogen vented to atmosphere, no hazardous chemicals	High due to dealing with hazardous chemicals	Low without chlorine, high with chlorine	High due to hazardous chemical exposure and manual handling of salt
Additional and Side Effects	Doesn't create THC or other Chlorinated organic compounds. Can remove them in some systems. Elimination of legionella and algae. Does not increase TDS of water. Low maintenance	Potential generation of carcinogenic chloramine compounds, odour and pH value change	High cost for cleaning and maintenance	Potential generation of carcinogenic chloramine compounds, odour and
Environmental Burden	Low due to recyclability of components	Generation of compounds that have a negative effect on flora and fauna	Low but mutagenicity of micro- organisms cannot be completely avoided	Generation of compounds that have a negative effect on flora and fauna

Key Features & Benefits

- Fully automated allowing remote monitoring and input
- No transport, storage and handling of hazardous chlorine chemicals - creating a safer working environment
- Maintains set chlorine levels - complies with regulations
- Easy integration into existing water circuits - minimal disruption to existing pipe work
- Can be economically solar powered - for rural and isolated applications
- Recyclable componentry

The Hydro-dis® water treatment system is designed to have minimal local operator input and can be configured for full data logging including SCADA integration and remote control if required.

This proven technique supersedes traditional water disinfection technologies with a fully automated system that requires minimal maintenance, improves OH&S issues in regard to the handling and storage of hazardous chemicals.

The Hydro-dis® is a low voltage system that does not require a qualified electrician for servicing and can powered by a standard 240V GPO.



Address: Plot No 62, Ground Floor, EHTP,
Sector 34, Gurugram, Haryana 122004

Contact: 0124-4225601 info@innowindia.com

