

OVERVIEW

All Purpose Pumps' **HYDRA™** Chlorine Dosing & Monitoring Systems provide a premium, engineered solution for maintaining safe and compliant water quality in both potable and industrial storage applications. By accurately controlling free chlorine levels through continuous circulation, precise chemical injection and intelligent automation, **HYDRA™** ensures disinfected, stable water with minimal manual input—ideal for data centres.

Building on this capability, **HYDRA™** Monitoring Dosing Systems are purpose-designed for mission-critical sites such as data centres. These systems pair active chlorine dosing with real-time monitoring of key water parameters to ensure stored and circulating water consistently meets strict operational standards. Together, **HYDRA™** Chlorine Dosing and Monitoring Systems provide a dependable, intelligent and fully engineered treatment solution, safeguarding water quality wherever reliability is essential.

SYSTEM OVERVIEW

CONTROLS:

- HMI colour touch screen display coupled with a complete dashboard of indicator lights.
- Permanent data storage with system log.
- USB download of logged data.
- System run time clock.
- Expandable for monitoring and control of additional parameters, as required.

REDUNDANCY AND ALERTS:

- Early chemical storage low level warning.
- Low flow protection.
- ORP monitoring to override.
- Integrated run-time monitoring provides overdose protection.

FUTURE EXPANSION:

- Controls incorporate the logic and allow space for additional channels.
- The manifold is configured with ports to support additional sensors.

BASEPLATE:

- Stainless steel and HDPE construction.

REMOTE CONNECTIVITY:

- Modbus TCP/IP.
- Voltage Free common fault for up to 10 scenarios.

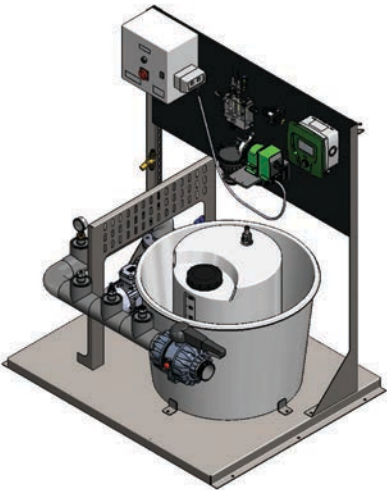
PUMP:

- Slower operating speeds enhance long-term reliability and durability.
- Stainless steel construction.

FEATURES

- Large LCD Full Colour Touchscreen Display.
- Large capacity storage for logging.
- High-performance microprocessor & operating system.

DRAWING



TECHNICAL DATA

STANDARD RANGE*	
Tank volume range	2m³ to +287m³
Chlorine storage	110L
Sample line discharge	8mm
Options	pH Monitoring Salinity Monitoring
BMS communication	Common voltage free output for up to 10 events
	Modbus TCP/IP

*Note – contact our team for increased capacities

TYPICAL ARRANGEMENTS

