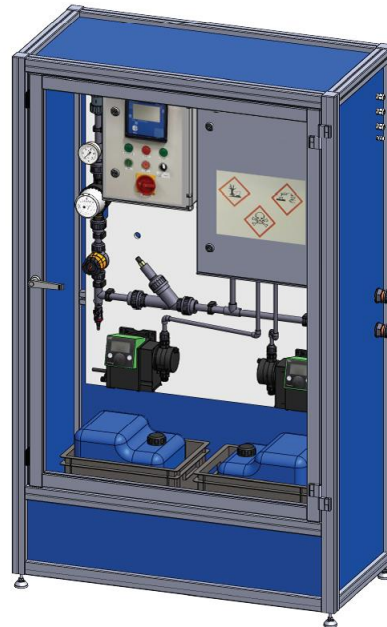


HydroDOS® HD550G



ITEM	RATING
Regulatory approval	WRAS
Production rate	215g/h chlorine dioxide
Capacity at 0.5ppm dose	10,320m ³ /day
Operating pressure	2 - 6bar
Water temperature	5 - 30°C
Ambient temperature	5 - 40°C
Inlet/outlet connections	DN15 uPVC plain adhesive weld
Shipping weight	120kg
Operating weight	175kg
Power supply	230V/1ph/50Hz
Power consumption	200 - 500W
Protection type	IP54
Chemical conversion efficiency	>90%
Operational mode	Proportional - based on water meter input (water meter must be with K=1 or 10)
	Sensor – based on chlorine dioxide probe measurements
Optional extra(s)	Water meter (K=1 or 10)
	Rotameter panel
	Recirculation pump
	Neon gas alarm warning system
	Chlorine dioxide pocket colorimeter test kit

Biological Control by Chlorine Dioxide Dosing

For the control of microbiological populations in water systems a HydroDOS® HD550G chlorine dioxide generation and dosing unit shall be installed.

The system should be WRAS approved.

The unit shall comprise a two-pack pre-cursor system, pre-mounted and pressure tested chlorine dioxide generator, integral chemical bunds for safety, furthermore a lockable safety cabinet will provide security to dosing system.

The unit will feature dual digital dosing pumps to ensure a very high degree of accuracy and control.

Chemical composition ensures very high conversion efficiency of >90% for both minimal precursor use and also to ensure the highest possible levels of free chlorine dioxide available in the treated system.

The unit provides continuous chlorine dioxide monitoring and digital read out, 2 chemical drum low level alarms, flow monitor to ensure dosing safety. Moreover, the chemical is being dosed into a water recirculation loop to eliminate corrosion risk at the point of injection.

Chlorine dioxide can be used both as the primary method of Legionella control within a water system as specified under the Health and Safety Executive's ACOP, known as the L8 and Technical Guidance, known as HSG274, or to enhance an existing regime.

Volt free connections to a BMS system are provided.

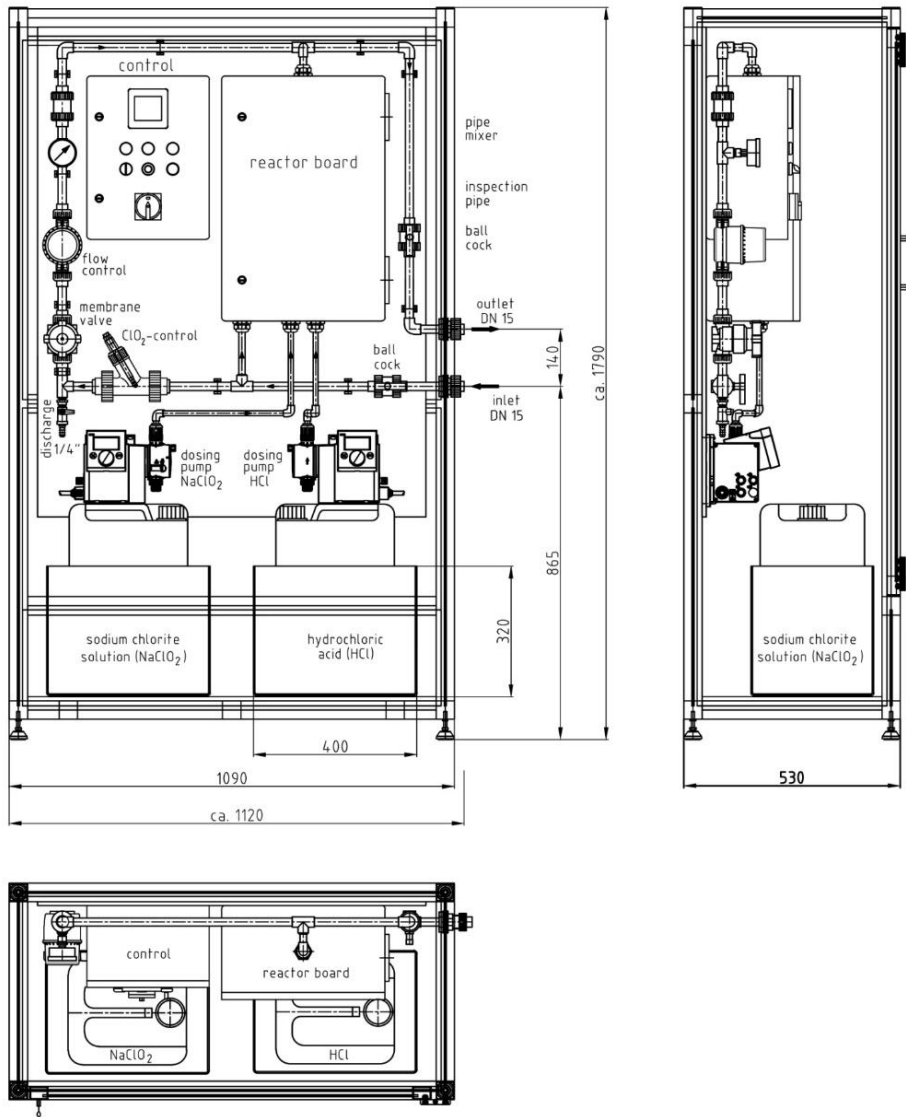
A 230V/1ph/50Hz supply through a switchable 5A fused spur should be provided for the unit.

The unit is to be a HydroDOS® HD550G as detailed in the adjacent technical data table.



Bacterial Control

HydroDOS® HD550G



HydroDOS® HD550G	
Length	1120mm
Depth	530mm
Height	1790mm
Inlet/outlet connections	DN15 uPVC plain adhesive weld

Subject to technical revisions and modifications

Hydrotec
Hydrotec House
5 Manor Courtyard
Hughenden Avenue
High Wycombe
Bucks HP13 5RE
Tel: +44 (0) 1494 796040
Fax: +44 (0) 1494 796049
E-mail: sales@hydrotec.co.uk
Website: www.hydrotec.co.uk