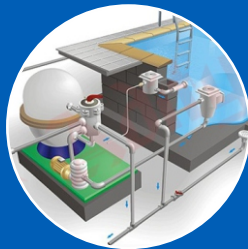


CHLORINE DIOXIDE GENERATORS

TERSUS® ClO₂ "S" Series

TYPICAL APPLICATIONS

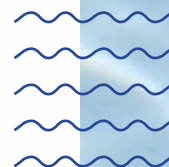
- ◆ Drinking Water
- ◆ Hospitals, Hotels & Public Services, Indoor/Outdoor Swimming Pools
- ◆ Business centre, Malls, Theme park
- ◆ Pharmaceuticals
- ◆ Food, Beverages and Breweries
- ◆ CIP Sanitization & ETP, STP Waste Water Treatment
- ◆ Sanitation equipments
- ◆ Labs & Research Centres



MODEL NO	CAPACITY
TERSUS® ClO ₂ S5	5gm/h
TERSUS® ClO ₂ S5	10gm/h
TERSUS® ClO ₂ S5	15gm/h
TERSUS® ClO ₂ S5	20gm/h
TERSUS® ClO ₂ S5	25gm/h
TERSUS® ClO ₂ S5	30gm/h

KEY BENEFITS

- ◆ Safe & effective ClO₂ production.
- ◆ The factory precise set limit.
- ◆ Safety Interlock technology.
- ◆ Intermittent and continuous dosing options.
- ◆ Unique process design - friendly operation.
- ◆ High precision PLC operated dosing pumps.
- ◆ 50 lt carboy / 200 lt drum / 1000 lt IBCs for precursor storage.
- ◆ The pipes for dilution water & chemicals are colour coded.
- ◆ Plug-In play design - minimal installation.
- ◆ Pressure underwater ClO₂ generation.
- ◆ Option of CFR 21 compliant PLC.



TERSUS

CIO₂ DISINFECTION SYSTEM

CHLORINE DIOXIDE GENERATORS

TERSUS® CIO₂ "S" Series

TECHNICAL DESCRIPTION

The CIO₂ system Unit "S" Series is a device for the safe production of chlorine dioxide at the dosing point. The generator is equipped with two peristaltic pumps that evenly and continuously dose the reagents into the reactor. After generation and dilution, chlorine dioxide is directed to a maturation tank and then to a storage tank, from where it is fed into the network using a membrane dosing pump.

Each chemical line is equipped with ultrasonic flow meter for precise chemical flow measurement. 7.5% NaClO₂ & 8.5% HCl chemical mixing takes place in CIO₂ generator reactor under dilution water closed circuit loop. After generation, CIO₂ enriched solution is stored in an on-board tank and dosed as per dosing requirement.

Operating on a totally auto-operating mechanism this system is enabled with options with online connectivity with Laptop/Smart Phones. Totally safe & efficient production of CIO₂ ensured with TERSUS® CIO₂ underwater technology.

SPECIFICATIONS

- ◆ Capacity: 5 - 50 g CIO₂/h
- ◆ Concentration of chlorine dioxide produced upto 0.75 g CIO₂/l
- ◆ Sodium chlorite used 7.5%
- ◆ Hydrochloric acid used 8.5%
- ◆ Process water pressure 2-4 bar
- ◆ Process water temperature upto 35°C
- ◆ Operating temperature upto 35°C
Humidity max. 90%

Net weight Max: 90 kg

External dimensions:

(W x H x D) 700 x 900 x 70mm (± 50 mm)

Manufacturer Warranty: 12 months

Calibration Factory Tested

Scope of operator's activities:

Periodic replenishment of reagents, system flushing if necessary, 6 Month Tube replacement of peristaltic pumps.

Control & Electricals:

Power supply 230 V, 50 Hz & Protection max. 6 A Power 0.12 kVA

Display 4" Touch Screen HMI, enabled system operation graphics & alarm functions



PWSPL-CIO₂-S-SERIES

COTACT US

Purita Water Solutions Pvt. Ltd.

Plot No.3, Agarwal Industrial Estate,
Near MSEB Office, Sativali Road, Vasai (E),
Dist. Palghar - 401 208, Maharashtra, INDIA.

Tel: (B) +91 8446 07 8101 upto 8108

Email: info@puritawater.com

Website: www.tersusclo2.com



CIN : U74999MH2005PTC153723