

PRODUCT DATA SHEET

Pureline HP Series ClO₂ Generator

Chemistry to make water work



OVERVIEW

The HP series generator from PureLine, supported by WTS, is ideal for applications requiring high purity Chlorine Dioxide, for example, food & Beverage production, healthcare and pharmaceutical applications.

Using PureCide®E, a highly concentrated single-liquid precursor, PureLine's patented electrochemical cells efficiently produce 99.5% pure, chlorine-free, ClO₂ solution (active ClO₂ versus bi-products in water). Pure ClO₂ is delivered on demand, safely, and efficiently without the need for an external storage tank.

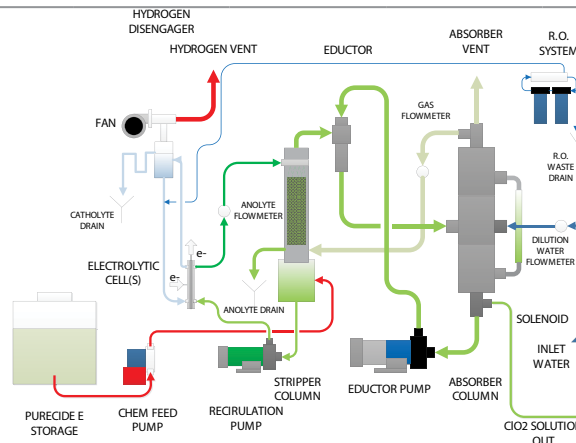
The system is capable of feeding multiple dosage points simultaneously allowing for several applications from a single generator. The HP series is a common platform system allowing for cost effective, on-site capacity upgrades that grow with your operation/facility. With multiple safety interlocks, available reporting and communication options, and expert engineering and service support, the HP series is truly the bench mark in safe and reliable ClO₂ generation.

- Single-liquid precursor PureCide®E (no acid)
- Produces 99.5% pure ClO₂
- pH neutral solution
- Long life electrolytic cells (no cartridges)
- Multiple control options (flow, residual, permissive, timers, manual)
- Customizable and scalable to 227kg/day
- Low operating cost – enhanced ROI



STANDARD SPECIFICATIONS

Parameter	Units	PureLine HP Model						
		HP-3	HP-10	HP-20	HP-40	HP-100	HP-250	HP-500
ClO ₂ Output Capacity	kg/day	1.36	4.54	9.07	18.14	45.36	113.40	226.80
Electricity requirement		220 VAC, 1PH, 30A (<15A NLD)				415 VAC, 3PH, 50A	Custom	Custom
Inlet water		Clean/filtered min 350 kPa (1.89l/min – 11.36l/min)				min 350 kPa (3.78 - 18.93l/min)	Custom	Custom
PLC & HMI		Allen Bradley PLC and Color Touch Screen						
Chemical usage		PureCideE – 6.04kg / 1kg produced ClO ₂						
Cabinet		White polypropylene				Stainless steel	Custom	Custom
Dimensions	mm	1327 x 1918 x 718				Custom built		
Weight	kg	227				Custom built		
Co-products		20% NaOH solution (0.037l/min-0.378l/min), Spent chemical (0.037l/min - 0.189l/min), H ₂ safely diluted to <0.5 vol% and RO waste (1.89l/min – 3.78l/min)					Custom built	Custom built
HS Code		8421.21.000						



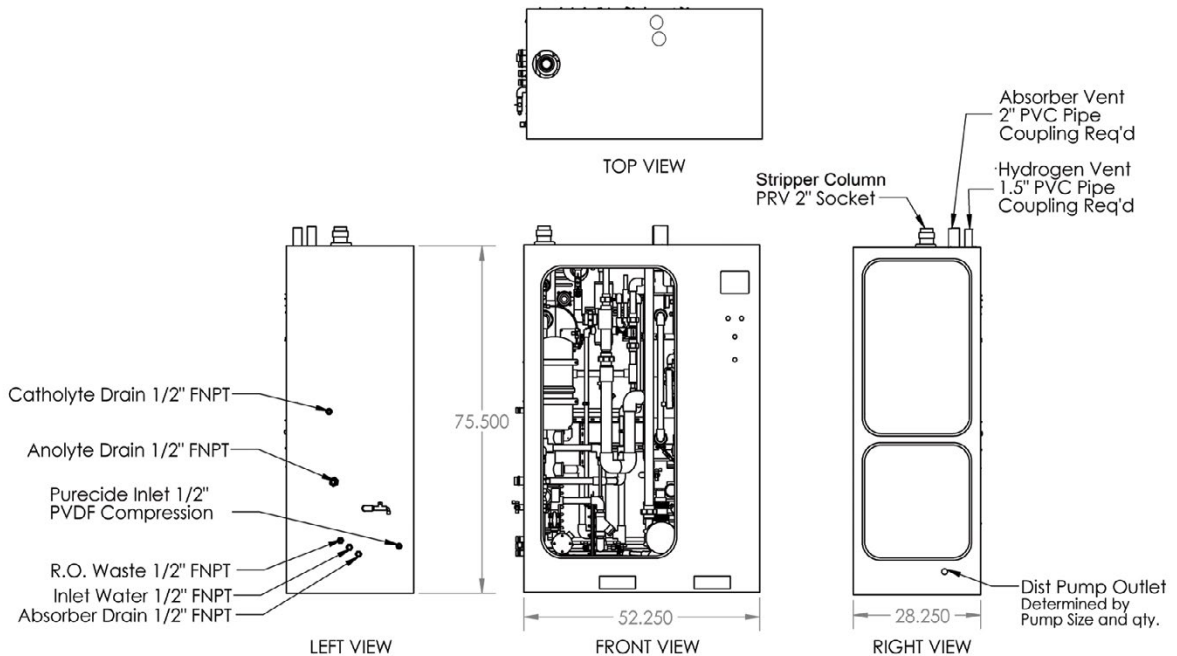
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STANDARD INCLUSIONS + OPTIONS

✓ = Standard Supply o = Optional Supply

Equipment	HP Model			
	HP-3	HP-10	HP-20	HP-40
Self contained unit	✓	✓	✓	✓
CA Concentrated Acid package	o	o	o	o
Input chemical storage tanks	o	o	o	o
Produced ClO2 break tank	o	o	o	o

Instrumentation & Controls	
Control Panel compliant with AS/NZS 3000, IP55	✓
PLC control system with HMI touch screen	✓
Full redundancy PLC control system	o
Flow pacing capability utilising external flowmeter signal)	✓
Water flow meter	o
Production tracking and remote system monitoring	o
PCA-970 Chlorine Dioxide Residual Monitoring System	o



MODEL SELECTION

- 3** Capacity – typical kg/h
- 10** Capacity – typical kg/h
- 20** Capacity – typical kg/h
- 40** Capacity – typical kg/h
- 100** Capacity – typical kg/h
- 250** Capacity – typical kg/h
- 500** Capacity – typical kg/h
- X** External chemical storage - without
- E** External chemical storage - included
- X** Sludge Feed Pump – without
- F** Sludge Feed Pump – included
- X** Specification – standard
- A** Specification – custom

HP- _ _ _ _

NEED A QUOTE?

COMPLETE THIS TABLE AND EMAIL TO...

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