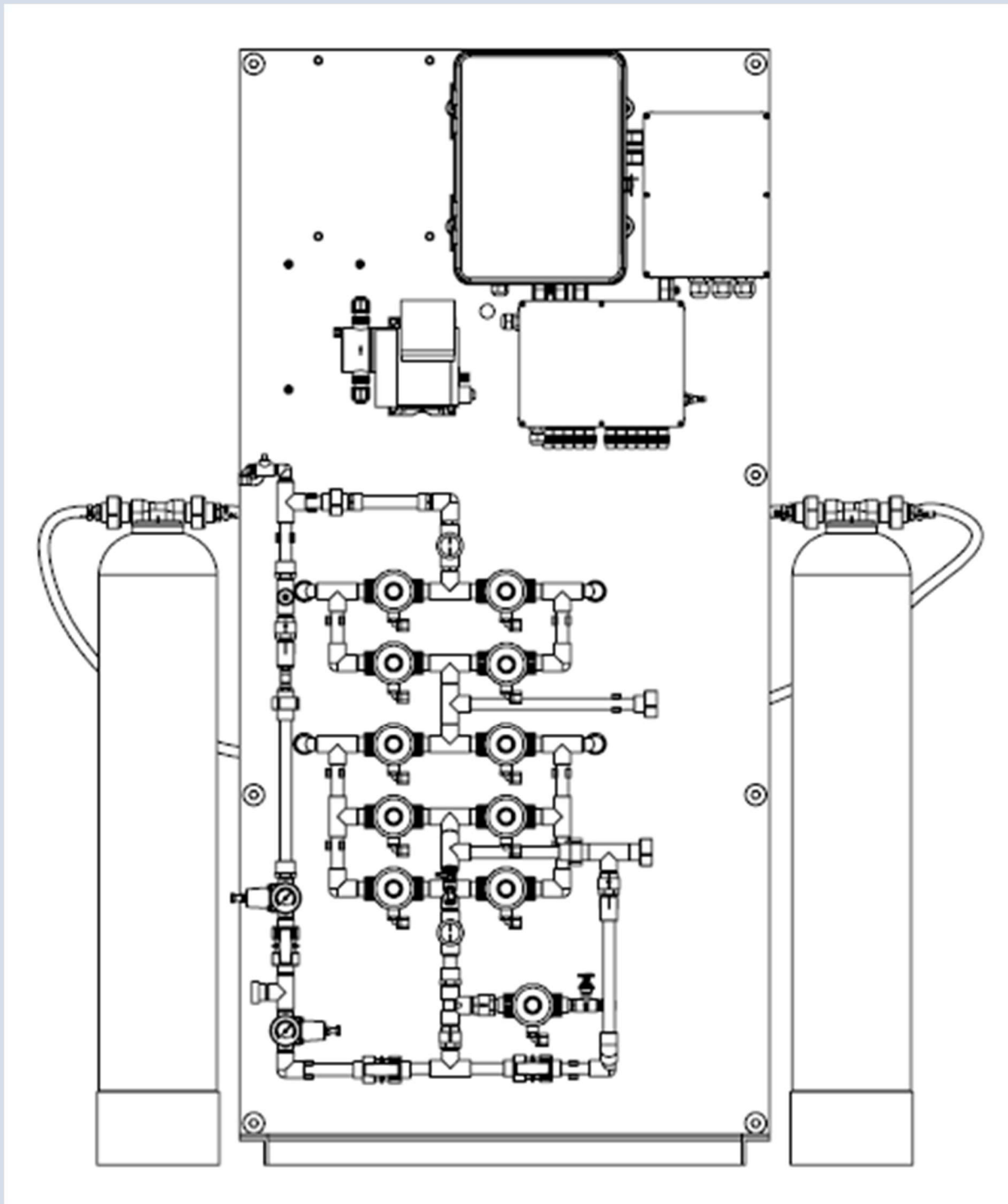


# CLO<sub>2</sub>IX<sup>®</sup> INDUSTRIAL CHLORINE DIOXIDE GENERATOR

for

## CONTINUOUS CLEANING OF WETTED SURFACES



IND 025-050

1.25 kg/day/day – 2.5 kg/day

WHAT IS ON YOUR PIPES IS IN YOUR PRODUCT!

# Metric Units

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## Performance Specifications

|                                       | <u>Industrial IG-025</u>                          | <u>Industrial IG-050</u>                          |
|---------------------------------------|---|---|
| ClO <sub>2</sub> Production:          | 1.25 kg/day                                       | 2.5 kg/day  |
| ClO <sub>2</sub> Max Vol. Production: | 2,250 L Soln. /day                                | 4,500 L Soln. /day                                |
| Nominal Flow Rate:                    | 1.25 L/min  | 2.5 L/min   |
| Peak Production Flow Rate:            | 1.56 L/min  | 3.13 L/min  |
| Max Unit Flow Rate During Regen:      | 5.23 L/min  | 6.80 L/min  |
| Estimated Water Consumption:          | 1,905 L / 1,800 L ClO <sub>2</sub> Soln. Produced | 3,704 L / 3,600 L ClO <sub>2</sub> Soln. Produced |

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## Operating Parameters

|   |   |
|---|---|
| Prime Flow Rate:                              | 3.00 L/min                                  |
| Rinse Flow Rate:                              | 490 mL/min                                  |
| Feed Water Quality:                           | Potable Water (< 500 ppm TDS)               |
| Maximum Conductivity:                         | 1,000 µS                                    |
| Ambient Temperature Range:                    | 4.4°C - 43.3°C                              |
| Water Temperature Range:                      | 10°C - 32.2°C                               |
| ClO <sub>2</sub> Conversion:                  | ≥ 75% @ 25°C                                |
| NaClO <sub>2</sub> Usage:                     | 1 L / 230 L ClO <sub>2</sub> Soln. Produced |
| Max HCl 31.45% Usage:                         | 1 L / 514 L ClO <sub>2</sub> Soln. Produced |
| Max HCl 10% Usage:                            | 1 L / 149 L ClO <sub>2</sub> Soln. Produced |
| Max H <sub>2</sub> SO <sub>4</sub> 35% Usage: | 1 L / 514 L ClO <sub>2</sub> Soln. Produced |

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## Remote Access Ports

Ethernet Communication Port

System can be connected to a customer-provided cell modem or directly into the facility's network.

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## Dimensions

|                        |                                |
|------------------------|--------------------------------|
| Generator w/ IX Tanks: | 0.76m(W) x 0.76m(D) x 1.88m(H) |
| Frame:                 | 0.76m(W) x 0.76m(D) x 1.88m(H) |
| IX Tank:               | 0.23m(W) x 0.23m(D) x 1.20m(H) |

## Weights

|            |        |
|------------|--------|
| Shipping:  | 147 kg |
| Operating: | 125 kg |

## Plumbing Connections on Generator

|                             |                           |
|-----------------------------|---------------------------|
| Inlet Water:                | 1/2-inch Spears Union MPT |
| Product HClO <sub>2</sub> : | 1/2-inch Spears Union FPT |
| Drain:                      | 1/2-inch Spears Union FPT |
| Inlet NaClO <sub>2</sub> :  | 3/8-inch PVDF Tubing      |
| Inlet Regenerant:           | 3/8-inch PVDF Tubing      |
| Compressed Air:             | 1/4-inch FPT Plug         |

NOTE: Connection of hoses or hard plumbing to unit based on local plumbing codes.

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## Installation Plumbing Requirements

|                   |             |
|-------------------|-------------|
| Inlet Pressure:   | 2.8-6.9 bar |
| ΔP Across System: | 1.72 bar    |
| Drain Pressure:   | Atmospheric |

## Installation Electrical Requirements

90-240 VAC 2.7A 50-60 Hz

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## Compressed Air Requirements

|              |                          |
|--------------|--------------------------|
| Air Quality: | Filtered & Regulated Air |
| Pressure:    | 6.9 bar                  |

## Precursor Requirements

|   |  |
|---|--|
| NaClO <sub>2</sub> :                        | 25% active   |
| Regenerant HCl:                             | 10% or 31.45%  |
| Regenerant H <sub>2</sub> SO <sub>4</sub> : | 35% (may be used with softened water instead of HCl) |

NOTE: All systems shipped dry and chemical-free. Receiver responsible for obtaining and applying all precursors.

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## Supplied With Generator

Unit Hoses

Pre-Filter - 10" housing with 30 micron filter

Post-Filter - 10" housing with 5 micron filter

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Dripping Wet Water ClO<sub>2</sub>IX units are tested and certified to NSF/ANSI 51 and 61. See [www.wqa.org](http://www.wqa.org) for any specific product details.

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ClO<sub>2</sub>IX®