
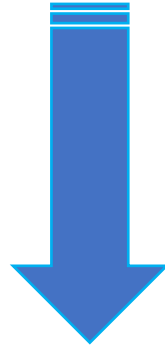


**CRYPTO****LYTE**<sup>®</sup>



**Distributor Portal**



## System Sizing &amp; Controller Configuration

Existing System Upgrade

New System (Spec)

Training Videos (How to)

✓ Pre-Proposal Inspection

✓ Pre-Installation Check List

Installation

Sensor Commissioning

Startup Configuration Settings

Startup Troubleshooting

Startup Calibration

⚡ Neutralization – Post Shock Treatment

⌘ Maintenance Schedule

## 1 Distributor Input Data

## 2 Print &amp; Save

## Distributor Input Data

Maximum Chlorine Feed Rate lbs/day as Cl<sub>2</sub>

7

Pool Volume Gal

10,000

Submit

## Performance Expectations

Pool Dynamic	Startup	Daily	Continuous	Rapid Recovery	Startup
ClO <sub>2</sub> (ppm/min)	Remediation	Maintenance	24/7	Shock (INDOOR/OUTDOOR)	Remediation (EVENING)
0.02	✓	✓	✓	3hr/5hr	8hr
0.03	✓	✓	✓	2.5hr/4.5hr	6hr
0.05	✓	✓	✓	1.5hr/2.5hr	5hr
0.10	✓	✓	✓	45min/1.5hr	4.5hr
0.25	✓	✓	✓	35min/50min	3.5hr
0.30	✓	✓	✓	<30min/45min	3.5hr
0.40	✓	✓	✓	<35min	3hr
0.50	✓	✓	✓	<30min	3hr

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### Distributor Input Data

Maximum Chlorine Feed Rate lbs/day as  $\text{Cl}_2$

45

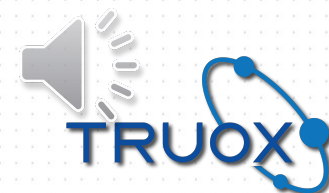
Pool Volume Gal

150000

Submit

### Performance Expectations

Pool Dynamic	Startup	Daily	Continuous	Rapid Recovery	Startup
$\text{ClO}_2$ (ppm/min)	Remediation	Maintenance	24/7	Shock (INDOOR/OUTDOOR)	Remediation (EVENING)
0.02	✓	✓	✓	3hr/5hr	8hr
0.03	✓	✓	✓	2.5hr/4.5hr	6hr
0.05	✓	✓	✓	1.5hr/2.5hr	5hr
0.10	✓	✓	✓	45min/1.5hr	4.5hr
0.25	✓	✓	✓	35min/50min	3.5hr
0.30	✓	✓	✓	<30min/45min	3.5hr
0.40	✓	✓	✓	<35min	3hr
0.50	✓	✓	✓	<30min	3hr



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Distributor Input Data

Print & Save

Feeder System Sizing

Maximum Chlorine Feed Rate = 45 lbs/day as Cl<sub>2</sub>  
Pool Volume = 150000 Gal  
Cryptolyte® Feed Rate = 33.75 gal/day  
Minimum Booster Pump = 3.375 GPM  
Muriatic Acid Feed Rate = 21.9 GPD  
OR  
Sodium Bisulfate Acid Feed Rate = 291 lbs/Day

Performance & Controller Configuration

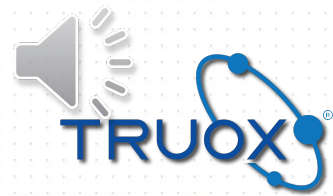
Pool Dynamic = 0.04 ClO<sub>2</sub> ppm/min  
TBP SPAN = 0.35 (4.99 Max Value)

Back

Print

Performance Expectations

Pool Dynamic	Startup	Daily	Continuous	Rapid Recovery	Startup
ClO <sub>2</sub> (ppm/min)	Remediation	Maintenance	24/7	Shock (INDOOR/OUTDOOR)	Remediation (EVENING)
0.02	✓	✓	✓	3hr/5hr	8hr
0.03	✓	✓	✓	2.5hr/4.5hr	6hr
0.05	✓	✓	✓	1.5hr/2.5hr	5hr
0.10	✓	✓	✓	45min/1.5hr	4.5hr
0.25	✓	✓	✓	35min/50min	3.5hr
0.30	✓	✓	✓	<30min/45min	3.5hr



### Legend

- SELECT or SET POINT VALUE
- EXISTING DEFAULT VALUE

## Feeder System Sizing

Maximum Chlorine Feed Rate = **45** lbs/day as Cl<sub>2</sub>

Pool Volume = **150000** Gal

Cryptolyte® Feed Rate = **33.75** gal/day

Minimum Booster Pump = **3.375** GPM

Muriatic Acid Feed Rate = **21.9 GPD** ggested Start Up) [31.45% HCl Undiluted]

OR

Sodium Bisulfate Acid Feed Rate **291 lbs/Day** ggested Start Up) [93% Sodium Bisulfate]

## Performance & Controller Configuration

Pool Dynamic = **0.04** ClO<sub>2</sub> ppm/min

TBP SPAN = **0.35** (4.99 Max Value) Automatically Amend Maintenance Mode & Continuous Mode TBP SPAN Value

## pH Configuration

- pH Control Type
  - On/Off or Time Base Proportional control
- Set Point
  - Default value 7.5pH
- TBP Span
  - Default value - 0.2 Set to 2.0
    - If you dilute your acid, determine your TBP Span by multiplying 0.2 by your WATER dilution factor.
    - Example: you currently dilute your Muriatic Acid (HCl) by 9:1 Water to Acid respectfully. Then your new TBP Span will be  $0.2 \times 9 = 1.8$
- TBP Time Base
  - Total cycle time for proportional control.
  - Default value - 1 Min Ensures always in Time Base Control when Controlling Cryptolyte
- Min On Time
  - Default value - 3s
- Failsafe Timer
  - Default value - 60min

## Chlorine Configiruration

- Sanitizer Chemical
  - Bromine or Chlorine
- Control Input
  - ORP or Free Chlorine
- Free Cl Control Type
  - On/Off or Time Base Proportional control
- Free Cl TBP Span
  - Default value - 0.2 Adjust higher (0.1 increments) is Chlorine consistently overfeeds
- Free Cl Set Point
  - Default value - 1.2ppm
- TBP Time Base
  - Total cycle time for proportional control
  - Default value - 1 Min Ensures always in Time Base Control when Controlling Cryptolyte
- Min On Time
  - Default value - 10s
- Failsafe Timer
  - Default value - 1hr



## Maintenance Mode Configuration

- Mode
  - Maintenance or [Continuous](#) mode.
  - Determines whether the system will run an evening maintenance cycle or continuously maintain a ClO<sub>2</sub> level.
- Maint Start Time
  - Time of day to trigger a maintenance cycle.
  - Default value - [10PM](#) *Adjust if needed to ensure pool is closed*
- Maint Duration
  - Initial feed duration in maintenance cycle before switching to TBP control.
  - Default value - [0s](#)
- Maint Set Point
  - ClO<sub>2</sub> setpoint that Cryptolyte will control to in maintenance cycle.
  - This value can be disabled to indicate no feeding to setpoint should be done.
  - Default value - [0.5ppm](#) *Adjust if needed to complete remediation before pool early opening*
- Maint Timeout
  - Maximum time allowed to complete remediation before triggering alarm in maintenance cycle.
  - Default value - [8 hr](#)
- Maint CT Set Pnt
  - CT setpoint for tracking when a remediation has been successfully completed in maintenance cycle.
  - Default value - [160CT](#)
- Maint TBP Span
  - Offset from Maint Setpoint for which proportional control will be engaged. If outside this span, then the feed will be fully on.
  - Default value - [4.99](#)
  - Calculated value - [0.35](#)

## Continuous Mode Configuration

- Mode
  - Maintenance or [Continuous](#) mode
  - Determines whether the system will run an evening maintenance cycle or continuously maintain a ClO<sub>2</sub> level.
- Cont Set Point
  - ClO<sub>2</sub> setpoint that Cryptolyte will control to in continuous mode
  - Default value - [0.3ppm](#)
- Cont CT Set Pnt
  - CT setpoint for tracking when a remediation has been successfully completed in continuous mode
  - Default value - [160 CT](#)
- Accel Start Time
  - Start time for which accelerated in-situ generation will be performed in continuous mode.
  - Default value - [12AM](#)
- Accel End Time
  - End time for which accelerated in-situ generation will be performed in continuous mode.
  - If start & end time are equal, then this logic will be disabled.
  - Default value - [12AM](#)
- Accel TBP Span
  - Offset from Maint Setpoint for which proportional control will be engaged. If outside this span, then the feed will be fully on.
  - Default value - [4.99](#)
  - Calculated value - [0.35](#)



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Distributor Input Data

Pool Dynamic ClO<sub>2</sub> ppm/min

0.25

Pool Volume Gal

10,000

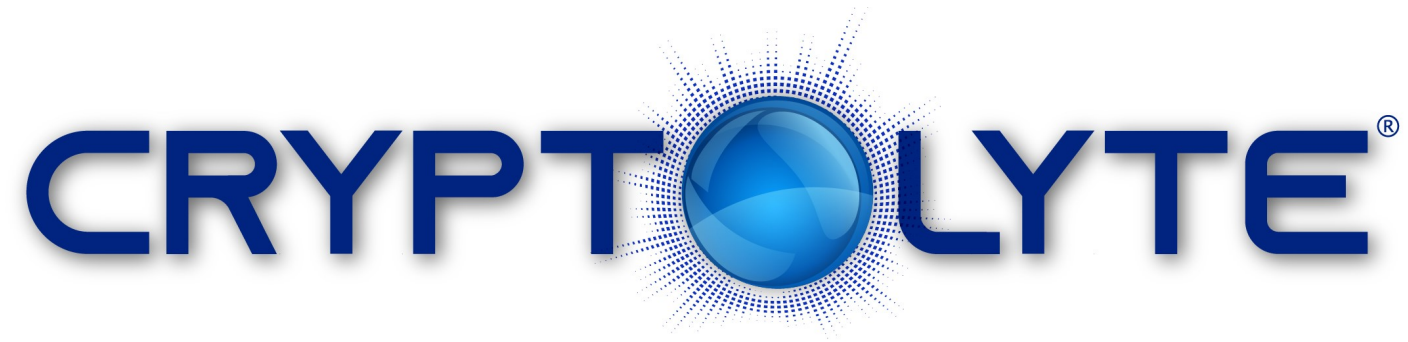
Submit

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0.50	√	√	√	<30min	3hr







[www.TruoxAquatics.com](http://www.TruoxAquatics.com)

