

# Series C

## CLOSED LOOP TREATMENT SYSTEM

### An effective and chemical-free solution for treating closed loops

#### The 3 Major Problems in Closed Loops:

- 1 Corrosion caused by dissolved oxygen
- 2 Sediment and sub-micron metal particles in the water
- 3 Insulating high iron content, limescale and biofilm deposits

#### How Series C Solves the 3 Major Problems in Closed Loops:

##### DISSOLVED OXYGEN REMOVAL MEDIA

- ▶ Continually removes dissolved oxygen from the closed loop, resulting in extremely low corrosion levels
- ▶ Eliminates the need for chemical in all closed loops
- ▶ Greatly outperforms chemical treatment
- ▶ Minimizes the threat of aerobic contaminant growth, which requires oxygen to live
- ▶ Eliminates the need for pH adjusting chemicals

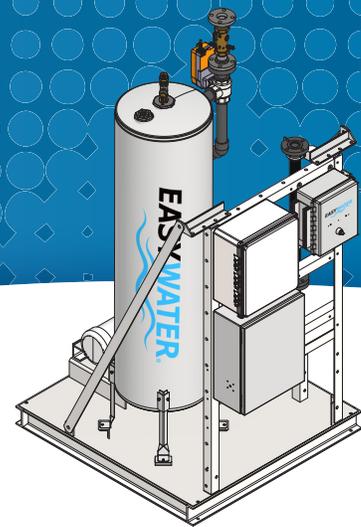
##### SUB-MICRON FILTRATION MEDIA

- ▶ Filtering to sub-micron levels is highly effective, as filtration tests show that the very fine metal or magnetite particles in most closed loops are below 1 micron in size
- ▶ Sub-micron filtration helps filter contaminants from the closed loop water
- ▶ Removing sediment to such fine levels helps minimize erosion of pump seals and impellers
- ▶ SedimentShield self-backwashing sub-micron media provides superior closed loop filtration with minimal ongoing maintenance\*
- ▶ System backwashes with city water in lieu of closed loop water to keep the system closed\*

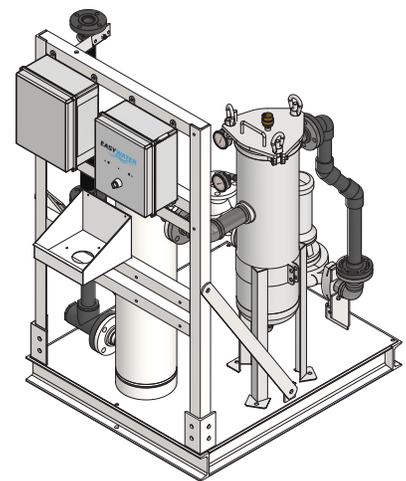
\* Only Applicable to CLC/CLH models

##### NO-SALT CONDITIONER

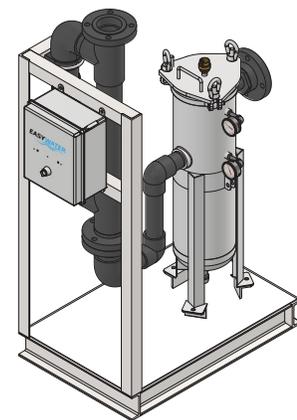
- ▶ Helps remove existing deposits while keeping new deposits from forming
- ▶ Causes flocculation of particles, increasing filtration effectiveness



CLC/CLH Skid



CLG Skid



CLG-L Skid

*“ I'm very impressed with the very low iron and copper levels. This indicates great corrosion control in the system. ”*

— Consultant for Tallahassee Community College

Results After Series C Treatment	
Copper	0 PPM
Iron	0 PPM
Dissolved Oxygen	< 1 PPM

## CLC/CLH MODELS - For Non-Glycol and Self-Backwashing Applications

SKID-MOUNTED			
Model # <sup>1</sup>	Max System Gals <sup>2</sup>	Steel Tank Dim <sup>3</sup>	Sidestream GPM
CLC/CLH-1000-S	4,000	12" x 60"	12
CLC/CLH-2000-S	10,000	18" x 60"	25
CLC/CLH-3000-S	25,000	24" x 60"	50
CLC/CLH-4000-S	45,000	30" x 65"	75
CLC/CLH-5000-S	70,000	36" x 65"	100
CLC/CLH-6000-S	120,000	42" x 65"	150
CLC/CLH-7000-S	150,000	48" x 72"	185
CLC/CLH-8000-S	200,000	54" x 72"	235
CLC/CLH-9000-S	300,000	60" x 72"	300
CLC/CLH-10000-S	375,000	66" x 72"	360
CLC/CLH-11000-S	440,000	72" x 72"	425
CLC/CLH-12000-S	500,000	78" x 72"	500
CLC/CLH-13000-S	600,000	84" x 72"	580

Options such as stainless tanks, piping and skids along with dual pumps and various control options are available upon request. Contact EasyWater or local rep for more information.

<sup>1</sup> Use "CLC" for chilled water applications and "CLH" for hot water applications

<sup>2</sup> Total volume of water in the closed loop

<sup>3</sup> Steel tank contains dissolved oxygen removal media and sub-micron SedimentShield media

INDIVIDUAL COMPONENTS			
Model # <sup>1</sup>	Max System Gals <sup>2</sup>	Steel Tank Dim <sup>3</sup>	Sidestream GPM
CLC/CLH-1000	4,000	12" x 60"	12
CLC/CLH-2000	10,000	18" x 60"	25
CLC/CLH-3000	25,000	24" x 60"	50
CLC/CLH-4000	45,000	30" x 65"	75
CLC/CLH-5000	70,000	36" x 65"	100
CLC/CLH-6000	120,000	42" x 65"	150
CLC/CLH-7000	150,000	48" x 72"	185
CLC/CLH-8000	200,000	54" x 72"	235
CLC/CLH-9000	300,000	60" x 72"	300
CLC/CLH-10000	375,000	66" x 72"	360
CLC/CLH-11000	440,000	72" x 72"	425
CLC/CLH-12000	500,000	78" x 72"	500
CLC/CLH-13000	600,000	84" x 72"	580

Options such as stainless tanks and piping along with dual pumps and various control options are available upon request. Contact EasyWater or local rep for more information.

<sup>1</sup> Use "CLC" for chilled water applications and "CLH" for hot water applications

<sup>2</sup> Total volume of water in the closed loop

<sup>3</sup> Steel tank contains dissolved oxygen removal media and sub-micron SedimentShield media

- CLC/CLH Models are self-backwashing systems that use city water to backwash the sediment filter in lieu of closed loop water to keep the system closed

- CLC/CLH Models should be used for any non-glycol closed loop where the customer wants the convenient self-backwashing feature

## CLG MODELS - For Glycol and Non-Backwashing Applications

SKID-MOUNTED				
Model #	Max System Gals <sup>1</sup>	Steel DO Removal Tank Dim	Qty of Stainless Bag Filters <sup>2</sup>	Sidestream GPM
CLG-1000-S	4,000	8" x 20"	1	12
CLG-2000-S	10,000	8" x 30"	1	25
CLG-3000-S	25,000	8" x 40"	1	50
CLG-4000-S	45,000	10" x 40"	2	75
CLG-5000-S	70,000	12" x 40"	2	100
CLG-6000-S	120,000	14" x 40"	2	150
CLG-7000-S	150,000	18" x 48"	3	185
CLG-8000-S	200,000	18" x 48"	3	235
CLG-9000-S	300,000	24" x 60"	3	300
CLG-10000-S	375,000	24" x 60"	4	360
CLG-11000-S	440,000	30" x 65"	4	425
CLG-12000-S	500,000	30" x 65"	6	500
CLG-13000-S	600,000	36" x 65"	6	600

Options such as stainless piping along with dual pumps and various control options are available upon request. Contact EasyWater or local rep for more information.

<sup>1</sup> Total volume of water in the closed loop

<sup>2</sup> Bag filters for all skid mounted models are 12"x40" stainless steel housings that hold 8"x30" bags for sediment and bacteria removal

INDIVIDUAL COMPONENTS				
Model #	Max System Gals <sup>1</sup>	Steel DO Removal Tank Dim	Qty of Stainless Bag Filters <sup>2</sup>	Sidestream GPM
CLG-500 <sup>3</sup>	1,000	8" x 15"	1	5
CLG-1000	4,000	8" x 20"	1	12
CLG-2000	10,000	8" x 30"	1	25
CLG-3000	25,000	8" x 40"	1	50
CLG-4000	45,000	10" x 40"	2	75
CLG-5000	70,000	12" x 40"	2	100
CLG-6000	120,000	14" x 40"	2	150
CLG-7000	150,000	18" x 48"	3	185
CLG-8000	200,000	18" x 48"	3	235
CLG-9000	300,000	24" x 60"	3	300
CLG-10000	375,000	24" x 60"	4	360
CLG-11000	440,000	30" x 65"	4	425
CLG-12000	500,000	30" x 65"	6	500
CLG-13000	600,000	36" x 65"	6	600

Options such as dual pumps and various control options are available upon request. Contact EasyWater or local rep for more information.

<sup>1</sup> Total volume of water in the closed loop

<sup>2</sup> Bag filters for all models except the CLG-500 are 12"x40" stainless steel housings that hold 8"x30" bags for sediment and bacteria removal. Model CLG-500 is supplied with a 4"x12" stainless housing

<sup>3</sup> Model CLG-500 does not come with a pump and should be installed where a pot feeder is typically located on the suction and discharge side of the closed loop pumps

- CLG Models are non-backwashing systems that use stainless bag filters for sediment removal

- CLG Models should be used for all glycol applications and can be used for new or relatively clean nonglycol closed loops in lieu of self-backwashing models

## CLG-L MODELS - For Closed Loops 120gpm or Less

SKID-MOUNTED			
Model #	Max System GPM	DO Canister	NSC/Bypass
CLG-16-L-S	16	2"	1"
CLG-24-L-S	24	2"	1-1/4"
CLG-40-L-S	40	2"	1-1/2"
CLG-65-L-S	65	2"	2"
CLG-120-L-S	120	2"	3"

INDIVIDUAL COMPONENTS			
Model #	Max System GPM	DO Canister	NSC/Bypass
CLG-16-L	16	2"	1"
CLG-24-L	24	2"	1-1/4"
CLG-40-L	40	2"	1-1/2"
CLG-65-L	65	2"	2"
CLG-120-L	120	2"	3"

- CLG-L Models are non-backwashing systems that provide inline/full flow treatment for small closed loops (including glycol) that are 120gpm or less backwashing models