



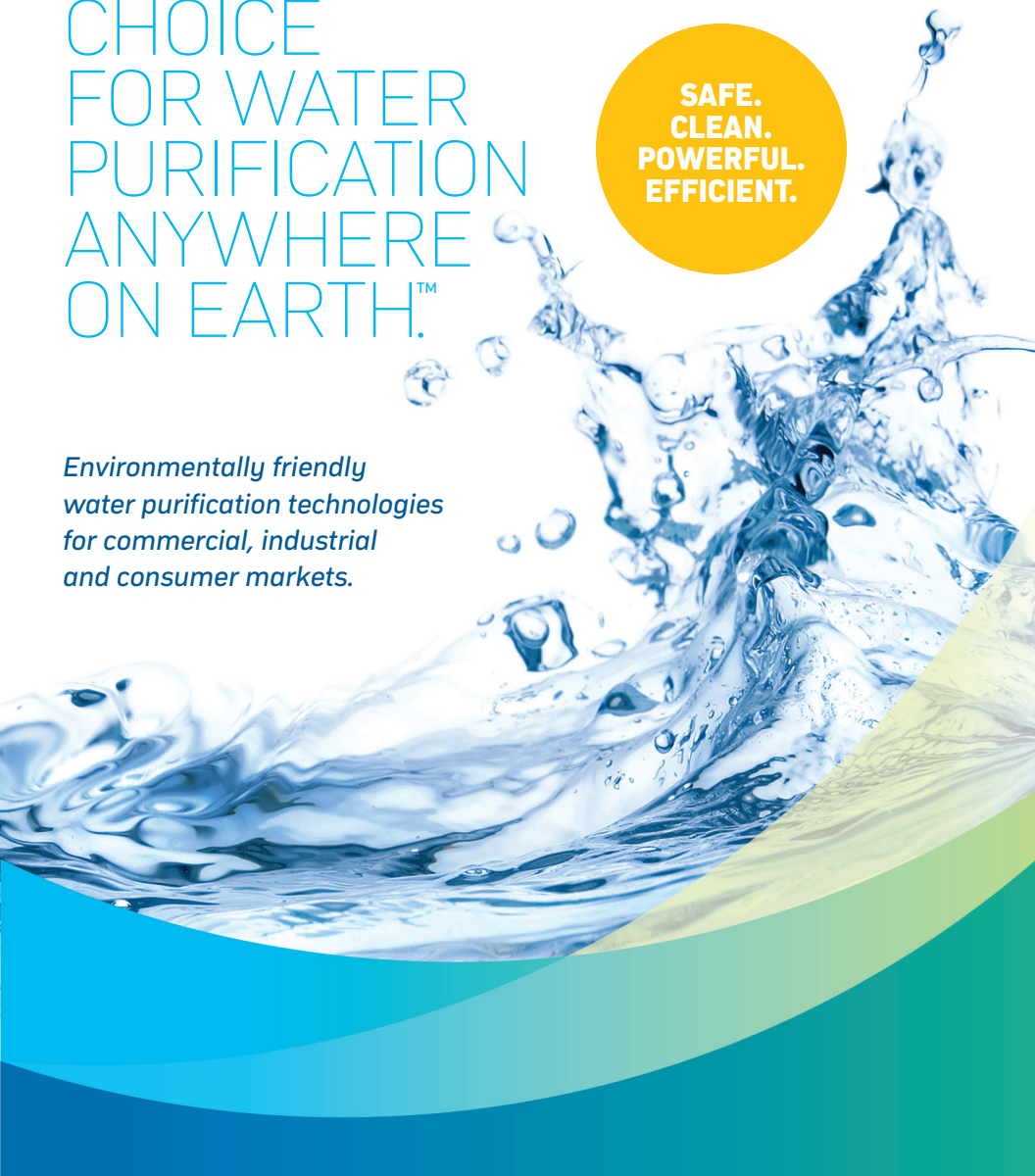
Triple Clear

WATER SOLUTIONS

THE CLEAR
CHOICE
FOR WATER
PURIFICATION
ANYWHERE
ON EARTH.™

**SAFE.
CLEAN.
POWERFUL.
EFFICIENT.**

*Environmentally friendly
water purification technologies
for commercial, industrial
and consumer markets.*



What is Force Field™ Technology?

CHANGING THE WORLD OF FILTRATION



Patented Technology Creates the Ultimate Filter for Water Purification & Filtration

Using electroadsorptive technology, our filters remove a wide range of submicron particulates, pathogens, trace pharmaceuticals, cellular debris, and heavy metals. A naturally occurring positive charge field that essentially puts a “force field” over the pores that will attract and capture negatively charged contaminants in water (and most contaminants are negatively charged).

It is like a magnet that attracts, captures, and kills the pollutants in water. Unlike other submicron filters, Force Field™ Filters have very little pressure drop making them the perfect choice for most plumbing applications.

Water Remediation Technologies — Residential, Commercial, Industrial, Municipal, Desal

Contaminants	Force Field™ Pac Technology	RO	NF	UF	MF	Particulate Cartridges	Carbon Block	Ultra Violet
Dissolved Salts		■						
Endotoxin	■	■	■	■	■	■		
Virus	■	■	■					■
Bacteria	■	■	■	■	■	■	■	■
Cysts	■	■	■	■	■	■	■	■
Polysaccharides (TEP)	■	■	■	■	■			
Colloids	■	■	■	■				
Particulates	■	■	■	■	■	■	■	
Chemical Reduction	■	■					■	■
Trace Pharmaceuticals	■	■					■	■

Membrane definition: Reverse Osmosis=RO; Nanofiltration=NF; Ultrafiltration=UF; Microfiltration=MF.

HOW POWERFUL IS IT?

Force Field™ Filters provide water quality on par only with Reverse Osmosis at a fraction of the cost and with none of the drawbacks.

Independent laboratory tests have proven its ability to provide 4 and 6 log reduction of bacteria, virus, and cysts!

It can also remove better than 99% of heavy metals like lead and chromium VI. Force Field™ Filters are the ultimate choice for providing safe water to your customers.

- Post stagnation of water
 - Any time water is stored in a tank
- Cooling Towers
- Rain Water Harvesting
- Potable water disaster protection
- Potable water polishing
- Legionella prevention
- When Biofouling is an issue
 - RO pre-filtering
 - Cooling towers
 - Storage tanks
- Maintenance reduction for mechanical systems
 - Reducing metals, particulates, chemicals

CERTIFIED PERFORMANCE BY THIRD PARTY TESTING

Microbiological Threats

Testing by BCS Labs (1/2/14), #1401002

Challenge Species: Triple Clear 2.5" Force Field™ Gravity Camp Filters	Filter Influent Average Concentration	Percent removal of the challenge species by the filter initially and following the passage of the indicated volume (liters) of laboratory grade reagent water			
		1.0 liter	10.0 liter	25.0 liter	50.0 liter
Bacteria: <i>Raoultella terrigena</i>	3.45×10^3 cfu/ml	>99.9999%*	>99.9999%*	>99.9999%*	>99.9999%*
Virus: MS-2 Bacteriophage	3.45×10^3 pfu/ml	>99.9999%*	>99.9999%*	>99.9999%*	>99.9999%*
e: 3.0 micron microspheres	1.8×10^4 spheres/ml	>99.998%*	>99.998%*	>99.998%*	>99.998%*

* No species were detected in the filter effluent for the duplicate samples analyzed. Filter effluent samples were analyzed in duplicates at the minimum following collection.

Heavy Metals

Metal Species	Influent Concentration (ppm)	Filter #1 Effluent following passage of 100 gallons water; BCS 1407065		Filter #2 Effluent following passage of 100 gallons water; BCS 1407066		Cumulative % Reduction
		Concentration (ppm)	% Reduction	Concentration (ppm)	% Reduction	
Arsenic (As)	.011	0.0052	95.3%	<0.0040**	>96.4%**	95.9%
Barium (Ba)	.011	0.01	90.9%	0.0054	95.1%	93.0%
Cadmium (Cd)	.010	<0.0010**	>99.0%**	<0.0010**	>99.0%**	>99.0%**
Chromium (Cr)	.015	<0.0020**	>98.7%**	<0.0020**	>98.7%**	>98.7%**
Lead (Pb)	0.084	<0.0022**	97.4%**	0.0027	96.8%	97.1%
Mercury (Hg)	0.140	0.069	50.7%	0.056	40.0%	45.4%
Selenium (Se)	.011	<0.0050**	>95.5%**	<0.0050**	>95.5%**	>95.5%**
Silver (Ag)	0.064	0.0049	92.3%	<0.0010**	>98.4%**	95.4%

** The species was not detected in the effluent.

Other Contaminants

- PCB's Remove to 99+%
- Antibiotics Remove to 99+%
- Bisphenol A (BPA) remove to 99+%
- TEP remove to 99+%
- Chlorophyll remove to 99+%
- Trace Hydrocarbons remove to 99+%

Specifications

- Max Operating Temp: 160F
- Max Flow Rates: 2gpm to 45gpm (per filter)
- Nominal Dimensions: 5", 10", 20", 30", 40" Length, 2"-7" diameter
- Micron: Effective micron rate .001
- Endcaps: 222, 226, DOE

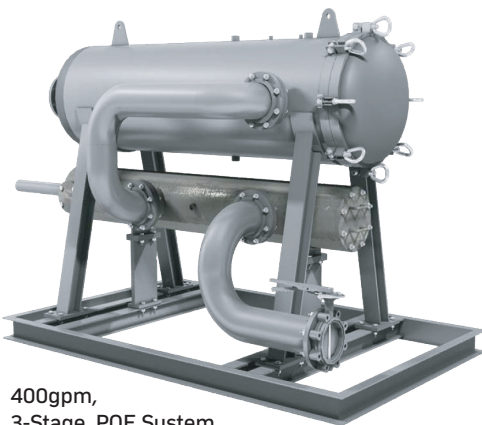
Point of Entry Purification

Bottled water quality from every tap.
More efficient mechanical systems.
Happy tenants and guests.

Reverse the effects of leaks, debris, lead, biofilm, rust and other contaminants that can degrade water quality. Even in the best municipal system aging distribution systems are letting serious contamination into water systems.

Using no chemicals, almost no power, and 99% less water than RO systems, Triple Clear Solutions removes system clogging grit, potentially dangerous micro biologicals, heavy metals like lead, and cellular debris that causes efficiency-sapping biofilms.

Triple Clear is like a firewall protecting your building from contaminants.



400gpm,
3-Stage, POE System
Horizontal Skid Mounted

Point of Use Filtration

When a POU filter is necessary, our Quick-Change systems are the perfect solution.



POWERFUL

enough to remove:
99.9999% of Bacteria;
99.99% of Viruses;
99.95% of Crypto

Our Quick-Change Force Field™ Filters come packaged in a self-sealing and self locking, commercial grade disposable sump.

Just a few simple turns of the mounting bracket is all it takes to easily swap in a new filter with no mess, and no tool in less than a minute.



Legionella & Biofilm Cooling Tower Filters

Force Field™ Filters are designed to reduce Legionella in water by 99.99%!

Cooling towers are public enemy #1 when it comes to risk from Legionella.

Triple Clear filters can be easily added via a side flow from any point in the water circulation system. Most commonly they are added in the mechanical room off the pumps or on the roof off of the basin.



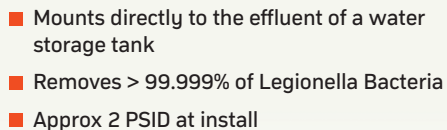
50gpm 3 stage side stream system



Significant Benefits:

- Removes cellular remains of dead contaminants (endotoxins & cellular debris), which create breeding for bacteria with biofilm and biofouling.
- Remove sediment from the water extending the life of expensive HVAC systems and reducing maintenance costs.
- Are completely GREEN! and require no chemicals or electricity to clean your water.
- Don't require backwashing, saving thousands in wasted water costs annually.

Furthermore we remove system-clogging grit and other potentially dangerous microbiologicals, heavy metals like lead, and the cellular debris that cause efficiency-sapping biofilms.



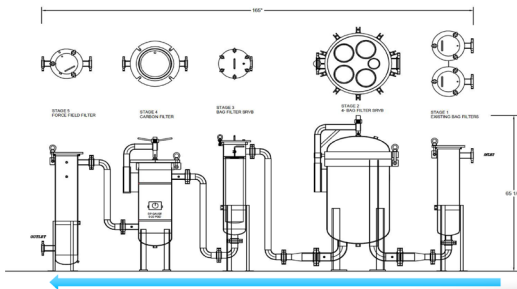
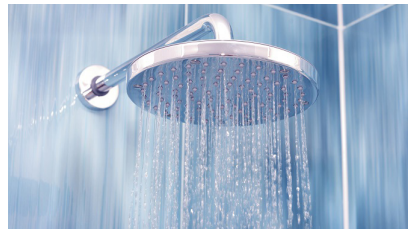
Rainwater/Greywater

Triple Clear's Systems Solve the Challenge of Water Reuse.

Rainwater reuse and Greywater systems are becoming a standard element in water system design around the world.

However, current technologies struggle to be reliable, consistent, and cost effective. The bottom line is that these applications are challenging and most of the technologies for this type of water purification are not commercially reasonable on a small scale.

Now, Triple Clear has developed a water treatment systems that deal with these type of water treatment challenges with no chemicals, no electricity, and no moving parts. The results we get can be up to potable quality if needed



From
Dangerous to
Undetectable

BEFORE		AFTER	
Client: Triple Clear	Triple Clear	Client: Triple Clear	Triple Clear
Analysis: Total Coliform/E. coli (IDEXX)	Analysis: Heterotrophic Plate Count	Analysis: Total Coliform/E. coli (IDEXX)	Analysis: Heterotrophic Plate Count
Project Name: N/A	Project Name: N/A	Project Name: N/A	Project Name: N/A
Client Sample ID: Raw	Client Sample ID: Raw	Client Sample ID: Sample 2	Client Sample ID: Sample 2
BCS Sample ID: 1611164	BCS Sample ID: 1611164	BCS Sample ID: 1611165	BCS Sample ID: 1611165
Date Received: November 15, 2016 11:52	Date Received: November 15, 2016 11:52	Date Received: November 15, 2016 11:52	Date Received: November 15, 2016 11:52
Amount Analyzed: 300 mL	Amount Analyzed: 2 mL	Amount Analyzed: 300 mL	Amount Analyzed: 2 mL
Amount Submitted: 250 mL	Amount Submitted: 250 mL	Amount Submitted: 250 mL	Amount Submitted: 250 mL
Receipt Temperature: 23.1 deg C	Receipt Temperature: 23.1 deg C	Receipt Temperature: 23.1 deg C	Receipt Temperature: 23.1 deg C
Analysis Stop Date: November 15, 2016 15:15	Analysis Stop Date: November 15, 2016 15:15	Analysis Stop Date: November 15, 2016 15:15	Analysis Stop Date: November 15, 2016 15:15
Qualifier: None	Qualifier: None	Qualifier: None	Qualifier: None
Primary Value: 261,300 Total Coliform MPN/100 mL	Primary Value: 2,620,000 Microorganisms CFU/sample analyzed	Primary Value: 11.0 E. coli MPN/100 mL	Primary Value: 11.0 Microorganisms CFU/sample analyzed
Secondary Value: 2,800 E. coli MPN/100 mL	Secondary Value: 1,430,000 Microorganisms CFU/mL sample	Secondary Value: 11.0 E. coli MPN/100 mL	Secondary Value: 11.0 Microorganisms CFU/mL sample
Analysis Notes: Sampling date and time not provided	Analysis Notes: Sampling date and time not provided	Analysis Notes: Undetected: Analysis was not detected in the sample analyzed. Value represents the method's detection limit for the amount of sample analyzed as per the method's standard reporting units. Sampling date and time not provided.	Analysis Notes: Undetected: Analysis was not detected in the sample analyzed. Value represents the method's detection limit for the amount of sample analyzed as per the method's standard reporting units. Sampling date and time not provided.

KINOMIX™ Metals Removal Simplified

Arsenic problem? Phosphorus problem?
Iron problem? Manganese problem?
No problem with Kinomix™
from Triple Clear!

- Instantaneously removes 27 different metallic elements including: arsenic III and V, antimony, barium, beryllium, boron, cadmium, chromium, Iron, lead, magnesium, manganese, mercury, phosphorous, selenium, & thallium
- Also proven to remove some Organic and Inorganic Compounds including: Cyanide, Cryptosporidium, Giardia, Sulfides, and Silica
- With no moving parts and almost no maintenance needs
- Works at a broad PH range
- Reduces stress and wear-and-tear on downstream filtering systems
- Produces non-toxic, non-leeching waste
- Installs quickly and easily
- Scales to any size from commercial-industrial to municipal

