

## TRIPLE CLEAR FORCE FIELD FILTER™

**Replacement Filter Compatible with  
WaterSentry® Plus Filtration Systems**

**Upgrade Your Water Filter System:**

**Why Patented Force Field Filter Technology is the Ultimate Choice**

### Force Field Filter vs. Carbon Block

| Contaminants          | Force Field Filter™ Technology | Carbon Block |
|-----------------------|--------------------------------|--------------|
| Dissolved Salts       |                                |              |
| Endotoxin             | ■                              |              |
| Virus                 | ■                              |              |
| Bacteria              | ■                              | ■            |
| Cysts                 | ■                              | ■            |
| Polysaccharides (TEP) | ■                              |              |
| Colloids              | ■                              |              |
| Particulates          | ■                              | ■            |
| Chemical Reduction    | ■                              | ■            |
| Trace Pharmaceuticals | ■                              | ■            |
| Heavy Metals          | ■                              | ■            |



| Model Number | Carbon |
|--------------|--------|
| TC-TL-10     | ■      |
| TC-TL-N-10   |        |

## FORCE FIELD™

Water Purification via Advanced Filtering

Triple Clear's Force Field Filter Technology triple filter purifies and protects water using mechanical filtering, carbon filtering and electroadsorptive technology (science originally developed for NASA). Water passes through the filter's 400 layers of mechanical filtration, powdered carbon and a naturally occurring positively charged "force field" that, like a magnet, attracts, captures and kills negatively charged contaminants.

Independent testing\* has proven that Force Field Filters remove greater than 99.9% of viruses (i.e. MS2 virus, norovirus), bacteria (i.e. E. coli, Pseudomonas and Legionella) and parasites (i.e. Giardia, Cryptosporidium). They also effectively remove a wide range of submicron particulates (i.e. sand and rust), heavy metals (i.e. Lead and Chromium VI), trace pharmaceuticals (i.e. BPH), and many other chemical residues.

Unlike other submicron filters, Force Field Filters keep out the bad stuff, while keeping the good stuff in water. They also offer better flow, require very little pressure loss to operate, are easy to maintain and are completely chemical-free and environmentally-friendly.

Force Field Filters are the ultimate choice for providing safe, clean and delicious water to your customers. Our filters contain a mechanical fail safe, so that when used as directed, they provide superior protection.

Force Field Filter complies  
with the following standards:



\*Tested by a certified  
laboratory in the U.S.  
(testing was done at 6.5 pH)

Third-party product designed to work with certain Elkay branded and Halsey Taylor products, but not directly associated with Elkay Manufacturing Company  
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# TRIPLE CLEAR FORCE FIELD FILTER™ FOR WATERSENTRY® PLUS FILTRATION SYSTEMS

## MICROBIOLOGICAL THREATS

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

| Challenge Species:<br>Triple Clear 2.5" Force Field™<br>Gravity Camp Filters | Filter Influent<br>Average Concentration | Percent removal of the challenge species by the filter<br>initially and following the passage of the indicated volume<br>(liters) of laboratory grade reagent water |            |            |            |
|------------------------------------------------------------------------------|------------------------------------------|---------------------------------------------------------------------------------------------------------------------------------------------------------------------|------------|------------|------------|
|                                                                              |                                          | 1.0 liter                                                                                                                                                           | 10.0 liter | 25.0 liter | 50.0 liter |
| Bacteria: Raoultella terrigena                                               | 3.45 x 10 <sup>5</sup> cfu/ml            | >99.9999%*                                                                                                                                                          | >99.9999%* | >99.9999%* | >99.9999%* |
| Virus: MS-2 Bacteriophage                                                    | 3.45 x 10 <sup>5</sup> pfu/ml            | >99.9999%*                                                                                                                                                          | >99.9999%* | >99.9999%* | >99.9999%* |
| e: 3.0 micron microspheres                                                   | 1.8 x 10 <sup>4</sup> 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<br>Concentration<br>(ppm) | Filter #1 Effluent following passage of<br>100 gallons water; BCS 1407065 |             | Filter #2 Effluent following passage of<br>100 gallons water; BCS 1407066 |             | Cumulative %<br>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

- Temperature: 40-160°F
- Max Flow Rate: 2 GPM
- Capacity: Up to 3,000 gal.
- Effective Micron Rate: .001
- Max Pressure: 110 psi

## WARRANTY

Triple Clear warrants that its filtration products are free from defects in material or workmanship under normal use and service for a period of 12 months from date of shipment. Triple Clear's liability under this warranty shall be discharged solely by replacement or repair of defective product, provided Triple Clear is notified in writing within one year from date of shipment, F.O.B. Triple Clear's distribution center.