



CARIBE WATER TECHNOLOGY, INC.

## Activated Carbon Filters 1”

### CWTC 1” Series

Are designed to eliminate color, odor, and/or fine toxicity primarily chlorine and chloramines from incoming water. Our complete system series features the Clack Valve with standard controller for simple operation and efficient backwashing.

#### Materials of Construction

- Media Tank.....FRP-HDPE lined
- Control Valve.....Clack®
- Media.....Micro Z with a gravel support bed
- Distribution Piping.....PVC

---

#### Operating Parameters

- Pressure..... 20-100 psi (1.40-7.03kg/cm)
- Temperature.....35-100°F (2-38°C)
- Electrical.....115/60Hz, single phase
- Inlet/Outlet.....1.0 inch
- Drain.....0.75 inch

---

#### Standard Features

- Fully automatic backwash
- Flow rates up to 17 US gpm
- High quality activated carbon
- Non-corroding fiberglass tank
- Valve constructed of plastic materials
- Standard reliable 7- day timer
- Twin alternating system feature an E-timer



---

#### Typical Applications

- Reverse osmosis pretreatment
- Boiler feed water
- Reagent grade laboratory water system
- USP purified water system
- Hemodialysis water system
- Commercial water system
- Food and beverage

---

#### Options Available

- Single, duplex twin alternating or parallel configurations
- Free standing or skid-mounted complete system
- Factory, fully pre-plumbed and pre-wired system
- Custom installations and valve nest to meet facility requirements

## 1" CWTC Series Single Carbon Filters @ 25°C

Model Number	Flow Design (US gpm)	Media Volume (Ft.*)	Backwash Flow (US gpm)	Pressure Drop@Peak (psig)	Media Tank WxH (In.)	Shipping Weight (Lbs.)	Space Required W x D x H (In.)
CF-S-1047-1	3	1.5	2.5	3	10x47	105	10x10x57
CF-S-1252-1	4	2	3	4	12x52	125	12x12x62
CF-S-1465-1	7	3	4	6	14x65	240	14x14x75
CF-S-1665-1	10	4	7	8	16x65	340	16x16x75
CF-S-1865-1	12	5	9	11	18x65	375	18x18x75
CF-S-2162-1	17.5	7	10	17	21x62	410	21x21x72

## 1" CWTC Series Duplex Twin Alternating Carbon Filters @25°C (contains two valves, two media tanks)

CF-D-1047-1	3	1.5	2.5	3	10x47	210	20x10x57
CF-D-1252-1	4	2	3	4	12x52	250	24x12x62
CF-D-1465-1	7	3	4	6	14x65	480	28x14x75
CF-D-1665-1	10	4	7	8	16x65	680	32x16x75
CF-D-1865-1	12	5	9	11	18x65	750	36x18x75
CF-D-2162-1	17.5	7	10	17	21x62	820	42x21x72

Note: Values above are listed per tank except for shipping weight and space requirements. Dimensions and weights are approximate. Parallel and triplex system are available.

### Installation Considerations

- For proper serviceability, it is recommended that there be 18" of space around the entire system. A minimum of 12" is required. The tanks should be installed on a firm, level surface.
- The inlet piping should be sized large enough to provide the required water flow for both service flow and backwashing of the tanks with minimum amount of pressure loss.
- A drain with suitable capability for the backwash flow rate of the tanks is required.
- Isolation valves, pressure gauges and sample ports should be installed on the inlet and outlet piping of each tank.

