



CARIBE WATER TECHNOLOGY, INC.

## Sediment Filter 1”

### CWTM 1” Series

Are designed to efficiently remove suspended solids and fine turbidity particles down to 5 micron 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
- Distributor Piping.....PVC

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#### 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

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#### Standard Features

- Fully automatic backwash
- Flow rates up to 30 US gpm
- Durable, high quality micro Z media
- Non-corroding fiberglass tank
- Valve constructed of plastic materials
- Standard reliable 7- day timer
- Twin alternating systems feature an E-timer



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#### 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

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#### 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" CWTM Series Single Sediment 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.)
MM-S-1047-1	7	1.5	7	5	10x47	160	10x10x57
MM-S-1252-1	9	2	10	6	12x52	225	12x12x62
MM-S-1465-1	14	3	15	7	14x65	380	14x14x75
MM-S-1665-1	19	4	20	12	16x65	530	16x16x75
MM-S-1865-1	25	5	25	17	18x65	600	18x18x75
MM-S-2162-1	30	6	30	25	21x62	675	21x21x72

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

MM-D-1047-1	7	1.5	7	5	10x47	320	26x10x57
MM-D-1252-1	9	2	10	6	12x52	450	30x12x62
MM-D-1465-1	14	3	15	7	14x65	760	34x14x75
MM-D-1665-1	19	4	20	12	16x65	1060	38x16x75
MM-D-1865-1	25	5	25	17	18x65	1200	42x18x75
MM-D-2162-1	30	6	30	25	21x62	1350	48x21x72

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 service ability, 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.

