



Industrial Water Purification

1(800) CAL-Water

## Multimedia Service Filters

Particle Removal Down To 25  $\mu$   
Compact 1.6 Ft<sup>3</sup> to Jumbo 34 Ft<sup>3</sup>

A **Cal Water service type Multimedia Filter** provides the customer with a large filtration capability with no wastewater or electrical need. Service multimedia filters are useful where high turbidity is present. Cal Water professionals select the ideal service filter size base on the feed water flow rate and quantity of solids in the water for any large or small application. Cal Water handles everything from installation to service. With a service Multimedia filter, no electricity is required; no backwashing is done onsite so that maintenance is totally transparent to an operation.

### CAL WATER - MULTIMEDIA FILTERS



**1040FG – 1252FG – 3660ST JUMBO  
Multimedia Filter Units**

- The **1040FG-So Multimedia Filter** is a corrosion-proof, 1.6 Ft<sup>3</sup> FRP fiberglass tank with an inert ABS plastic liner and a rubber base. The connections are 1¼-turn unions with 'O' ring seals for positive connections. The 1040FG is perfect for limited space or low volume applications.
- The **1252FG-So Multimedia Filter** is a corrosion-proof, 3.3 Ft<sup>3</sup> FRP fiberglass tank with an inert ABS plastic liner and a rubber base. The unit is equipped with Cam-Lock connectors fitted with molded seals for positive connections. The 1252FG is an excellent choice for most commercial applications. They can be installed singly or in multiple parallel units.
- The **3660ST-So Jumbo Multimedia Filter** is a 34 Ft<sup>3</sup>, epoxy coated, welded steel tank with an inert Polybond® liner. The unit is equipped with Cam-Lock connectors fitted with molded seals for positive connections. The 3660ST is a perfect choice for large commercial or industrial applications.

Polybond® is a registered trademark  
of Alamo Water

**For More Information Please Call  
1(800) CAL-WATER - (800) 225-9283**

## OPERATION



### Cal Water service multimedia filters

- While a sand filter uses only the surface of sand for filtration, a multimedia filter uses three different backwashable particle filter medias, with different densities and sizes to capture particles throughout the entire filter bed.
- A multimedia filter can effectively remove particles at a flow rate of up to three times that of a sand filter.

#### Multimedia Filtration Process:

As the water to be filtered proceeds through the multimedia filter, the three filtration medias remove particles of decreasing size. The top light layer of media removes large particles, the medium weight media removes medium sized particles, and the lower dense layer removes the smaller particles.

During the counter-current backwash all captured particles are removed from the three layers.

During the settle step following the backwash, all the media re-stratifies. The heavier grained media sinks to the bottom, the less dense medium sized media settles next, and the light larger grained media settles on the top.

## APPLICATIONS

A service Multimedia filter is ideal for any application where heavily turbid water or particle sensitive processes demand it. Applications include hotels and restaurants, boilers, cooling towers, ice houses, pretreatment for reverse osmosis systems, to name a few.

## FLOW RATES AND CAPACITIES

Model	Pipe Size	Ft <sup>3</sup> Media /Vessel	Flow @ 5 gpm/Ft <sup>2</sup>	Flow @15 gpm/Ft <sup>2</sup>	Pressure Vessel
1040-FG-MF	3/4"	1.2	3	8	10" X 40"
1252-FG-MF	1"	2.3	4	12	12" X 52"
3660-ST-MF	2"	24	35	106	36" X 60"

Maximum inlet pressure is 80 psi.

Maximum inlet temperature is 85 °F.

**Warranty:** Cal Water guarantees labor and material for 1 year from the date of an installation. In case of defect in equipment, labor, material or service, Cal-Water's sole responsibility is for the replacement or repair of the defect and cannot be held liable for losses of any kind. Please See: Terms and Conditions.

**Cal-Water** has been selling, installing and servicing water purification equipment since **1946**

**Cal Water**, 1961 Petra Lane, Placentia, CA 92870  
**(800) CAL-WATER** (800) 225-9283  
 FAX: (714) 792-0794  
[www.cal-water.com](http://www.cal-water.com)

Orange County (714) 835-7878  
 Los Angeles County (323) 663-8335  
 San Diego County (858) 457-8411



