



## Multimedia Filters

Model Numbers: ETFM9, ETFM12, EAFM9, EAFM12

### Applications

Drinking water, process water, beverage industry, water bottling, laboratory use, food industry, prefiltration ahead of cartridge filters or Reverse Osmosis and other industrial applications where low contamination levels are needed.

### Benefits of Microlene's Multimedia Filters

Sediment, grit and turbidity in water cause problems with water systems when they settle in tanks or plug pipes and fittings. Washing and plumbing fixtures can be stained and washing machines or dishwashers permanently damaged by silt.

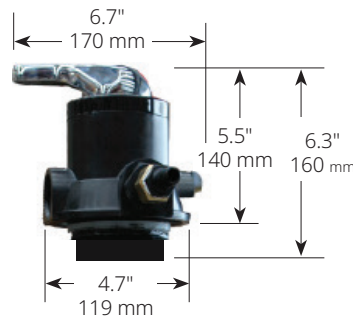
Multimedia filtration (sand, filter coal, garnet and gravel support media) is an economic means of removing the bulk of particles from a water supply (every particle large enough to be visible to the naked eye) and all particles likely to damage household appliances.

The filter bed is maintained in a clean condition by regular backwashing to waste. This process reverses the flow through the filter, flushing accumulated dirt and regenerating the filter material. The media is low cost and unlikely to need replacement for several years depending on flow rate.

Multimedia filtration is particularly recommended for surface water supplies containing high levels of suspended solids. If abrasive grit or large particles are present, an inlet strainer is recommended to prevent damage to the backwash valve.

#### Manual backwash valve.

Backwashing is carried out manually using a simple valve on the filter vessel. (TF models)



#### Automatic backwash valve.

Backwashing is controlled by automatic electric valves. (AF models) No manual input is necessary apart from setting the backwash controller. (IP rating 23)



# Microlene Multimedia Filtration

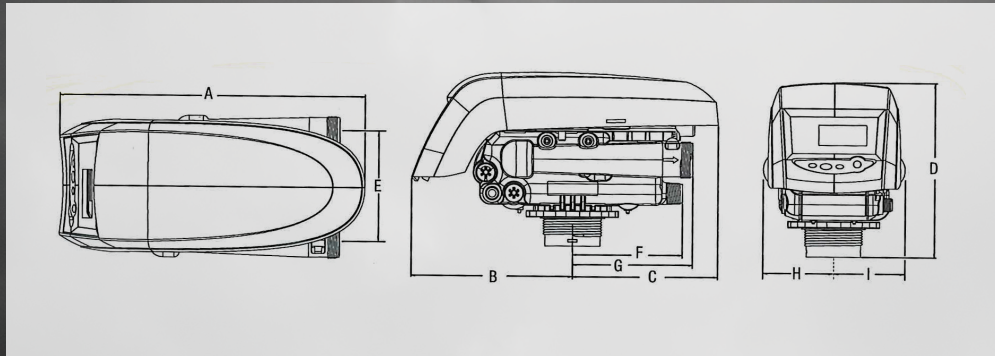
## Specifications

Type	Function	Dimensions		Max Service Flow Rate l/min	Backwash Flow Rate l/min	Min/Max Operating Pressure kPa	Inlet/Outlet mm	Shipping Weight kg
		Inches	mm					
ETFM9	Manual	9 x 35	229 x 889	40	23	140 – 690	25	20
ETFM12	Manual	12 x 52	305 x 1320	70	41	210 – 690	25	45
EAFM9	Automatic	9 x 35	229 x 889	40	23	140 – 690	25	22
EAFM12	Automatic	12 x 52	305 x 1320	70	41	210 – 690	25	47

**WARNING:** A Pressure Reduction Valve should be installed in areas of high water pressure (above 690kPa)

**WARNING:** A water hammer arrester should be installed if water hammer prevails.

FAILURE TO OBSERVE WARNING WILL VOID WARRANTY



### AFC VALVE DIMENSIONS

A	B	C	D	E	F	G	H	I
14.9" 378 mm	7.8" 198 mm	7.1" 180 mm	8.5" 216 mm	5.0" 127 mm	5.3" 135 mm	5.8" 147 mm	3.4" 86 mm	3.4" 86 mm

### Dimensions (mm)



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