



“the **easiest** way to
clean, healthy water”

Carbon Filters

Granular activated carbon (GAC) removes the taste and odour of chlorine and its by-products (THMs) from municipally treated water. In addition, colour, organic chemicals, pesticides and herbicides are greatly reduced.

The carbon filtered water is very low in colour and turbidity, but if more than 10 mg/L suspended solids is present in the raw water a pre-filter should be used to avoid shortening the media life.

The carbon used in the filters is a high quality purification grade. In chlorine removal applications media life is several years but is likely to be shorter if organic matter is being removed.

The filter bed is maintained in a clean condition by regular backwashing to waste using either a manual or automatic backwash valve. This process reverses the flow through the filter, flushing out accumulated dirt and regrading the media. The filter bed is not used up in the filtration process.

Back-washable carbon filtration is more cost effective than carbon cartridge filtration for Point of Entry (whole house) supplies as cartridges are not always suited for higher household flows and require regular replacement.

Drinking water that is only treatment at Point of Use (dedicated drinking water faucet) is available using either a Microlene under-bench purifier or a Kinetico under-bench reverse osmosis (RO) system.

Tanks:
6” to 12” diameter
9” & 12” are standard



Manual backwash valve
(TF models)



Automatic backwash valve (AF models)
Backwashing is controlled by an automatic electric valve – simply set the clock

Operating Parameters

- Minimum operating pressure: 210kPa
- Maximum operating pressure: 690kPa
- Water temperature: 5 – 50°C
- Water pH: Above 6.0
- Suspended solids maximum: 10mg/L
- Iron: Max 0.5 mg/L
- Oil: Free of hydrocarbons

Warnings

- A pressure reducing valve should be installed if water pressure exceeds 690kPa
- A water hammer arrestor should be installed if water hammer prevails

FAILURE TO OBSERVE ABOVE WARNINGS WILL VOID WARRANTY

Specifications

Model	Service flow (L/min)	Backwash flow (L/min)	Connections (mm)	Shipping weight
TFC9	20 - 40	16	25 (Female)	20 kg
TFC12	40 - 60	25	25 (Female)	45kg
AFC9	20 - 40	16	25 (Male)	22 kg
AFC12	40 - 60	25	25 (Male)	47kg

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