

Water & Waste Solutions



FILTERS

Ergonomic & Modular
Filtration Systems

Operating Principle

Dual Media Filter :

Dual Media Filter consists of "Sand & Anthracite" as filtering medium. Anthracite has a higher dirt holding capacity and hence can be operated at higher velocities. DMF can be typically used to filter out turbidity in the raw water upto to level of 50-100 PPM TSS.

Activated Carbon Filter :

Activated Carbon is primarily used for removal of free Residual Chlorine, Colour, Odour & Oil in Fewer quantities. Activated charcoal is used as media for removal of above said impurities. Activated Carbon works on surface absorption principle.

Iron Removal Filter :

Iron Removal Filter is used to remove Iron from water. IRF consists of a Manganese Dioxide layer, which works as a catalyst in converting Ferrous to Ferric which, can be easily precipitated and filtered physically.

Garnet Filter :

GF is used as a polishing filter where the outlet turbidity quality requirement is stringent. Garnet media is used for this purpose which has higher porosity and higher dirt holding capacity is achieved.

Pressure Sand Filter :

Pressure Sand Filter out turbidity from the raw water upto to a load of 25-50 NTU. Fine mesh sand is used as the filtering media. PSF can be operated only at lower velocities.

Advantages

All standard filters are painted internally with anti-corrosive paint & externally with two coats of enamel paint.

Versa Features

- Improved aesthetics & rugged design.
- Variety of cost effective & standard models.
- Easy operation & maintenance.
- Simpler distribution & collection systems.
- Versatility in applications.

EZ Features

- Improved aesthetics & rugged design.
- Variety of cost effective & standard models.
- Easy operation & maintenance.
- Single multi-port valve operation.
- Quick availability.

Technical Specifications For Standard Range

VERSA	FLOW RANGE (m ³ /hr)
DMF	10-200
ACF	10-200
IRF	7.5-200
GF	10-100

FXL	FLOW RANGE (m ³ /hr)
DMF	0.3-13
ACF	0.3-12
IRF	0.3-12
GF	0.3-12
PSF	0.3-10

EZ	FLOW RANGE (m ³ /hr)
DMF	0.3-13
ACF	0.3-12
IRF	0.3-12
GF	0.3-12
PSF	0.3-10

- Note :
- 1) Semi-Automatic versions are also available. Up to 300 m³ / hr.
 - 2) High Capacity upto 300 m³ / hr in automatic / manual operation available on request.



THERMAX
Sustainable Solutions in
Energy & Environment

Registered Office

D-13, MIDC Industrial Area,
R D Aga Road, Chinchwad,
Pune 411019, India
Tel : +91 20 66122999 / 66155000
Fax : +91 20 27472049
enquiry@thermaxglobal.com
www.thermaxglobal.com

India Toll Free No.

1800 - 209 - 0115
Indonesia Toll Free No.
803 - 016 - 1599
Prefix digits :
001 for Indosat users or
007 for Telkom users

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