Overview
The Marlo ‘MFG’ Series automatic backwashing media filter system is designed to provide the highest quality in water filtration equipment while covering a wide variety of commercial applications including turbidity reduction, iron removal, and chlorine removal. A broad range of filter media and component options are offered to fit your exact specifications.

‘MID’ Multi-Media Filters
High efficiency, in-depth filter system using a layered media bed of anthracite, silica sand, and two grades of garnet for excellent filtration down to the order of 5 - 10 micron.

‘MZA’ Natural Zeolite Filters
An alternative, single media approach to traditional multi-media filters that achieves a finer filtration to 3-5 micron with longer service run times.

‘MGA’ Iron Removal Filters
Filter system capable of reducing iron, manganese, and hydrogen sulfide using manganese greensand filter media.

‘ACA’ Carbon Filters
Granular Activated Carbon (GAC) is designed for the reduction of chlorine, taste, odor, and dissolved organic material from municipal and industrial water supplies.

Standard Equipment & Features
- Control Valve:
  Fleck 2750 - 1” Valve
  Fleck 2850 - 1-1/2” Valve
  Fleck 3150 - 2” Valve
  Fleck 3900 - 3” Valve
- Resin Tanks: Fiberglass reinforced polyethylene - (FRP) NSF 44 certified
- Internal Distributors: Sch 80 PVC/ABS
- 12-Day Timeclock Initiated Backwash Cycle (Electro-mechanical)
- Automatic Backwash Flow Controller

Operating Parameters
- Inlet Pressure: 30-100 psig
- Electrical: 120VAC, 1-Phase, 60 Hz
- 120/24 VAC, 50/60 Hz wall mount transformer (Digital Control Valves Only)
- Temperature: 35-100 °F

Options Available
- Skid mounted, pre-piped, pre-wired systems
- Multi-tank system configurations (twin, triple, quad)
- Fleck NXT2 Digital Control Timers
- ASME Stamped Pressure vessels (18” dia. & higher)
- Inlet/Outlet pressure gauges and sample valves
- Differential pressure switch backwash cycle
- Separate Source Backwash Cycle
- Recirculation Pumps (Cooling Towers)
- Backwash Water Supply Pumps
- Alternate filter media (Birm, Filter-AG, Calcite)
- RO Lockout Switch
- Greensand Intermittent Regenerant Tank Systems
- Greensand Continuous Regeneration Systems
### Specifications

#### MZA - Natural Zeolite Filter Specifications (Turbidity Reduction)

<table>
<thead>
<tr>
<th>Catalog Number</th>
<th>Flow Rates</th>
<th>Pipe Size</th>
<th>Media</th>
<th>Tank Size</th>
<th>Overall Dimensions (INCHES)</th>
<th>Shipping Weight (LBS)</th>
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#### MID - Multimedia Filter Specifications (Turbidity Reduction)

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#### ACA - Activated Carbon Filter Specifications (Dechlorination)

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#### MGA - Manganese Greensand Filter Specifications (Iron Removal)

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### Notes

1. At expected pressure loss not exceeding 5 psig, based on a clean filter bed
2. Dimensions are estimate only. Actual dimensions may vary based on job-site space limits and piping layout. Allow a minimum of 24” above height dimension for media loading. Consult factory for dimensions on skid mounted systems.
3. Shipping weights are estimate only. Weights include media and support gravel, which are added to the tanks after installation. Double weight for twin tank systems.