

GWT® Series Municipal/Industrial Filtration Systems – Technical Data Sheet

Introduction:

The GWT automatic backwashing sediment filtration systems are engineered and designed for filtration efficiency. These high-quality water filtration system solutions cover a range of commercial and industrial applications including turbidity reduction, sediment reduction, chlorine removal, and organics removal.

Our filtration systems are custom built in a range of sizes to meet the specifications of your specific municipal or industrial application.



System Specifications:

- Tank Lining: NSF 61 rated epoxy coating inner lining
- Media Tanks: Carbon steel with exterior polymer paint
- Internal Distributor System: Sch 80 PVC/ABS
- Exterior Piping: Galvanized steel pipe & cast iron fittings
- (PVC/CPVC Exterior Face Piping are standard for higher flow rates)
- Control Valves: Painted cast iron body

Standard Equipment / Features

- Electronic Microprocessor Controller
- Time initiated backwash cycle
- Water activated or Air actuated butterfly style control valves based on flow rate
- NEMA-4X electrical enclosures (FRP)
- Inlet/Outlet pressure gauges and sampling valves
- Factory Hydro-tested at 100 psig

System Options:

- Skid mounted, pre-piped, pre-wired systems
- Differential pressure-based backwash cycle
- Multiple tank parallel configurations
- ASME code stamped resin tanks
- PLC Based Systems

Operating Specifications:

- Inlet Pressure: 30-100 psig
- Electrical: 120V or 220V 50/60hz Power Options
- Temperature: 35-100 oF (2-37 C)

GWT Pre-Engineered Commercial Zeolite Filtration Systems

PN#	Service Flow Rate (GPM)	Peak Flow Rate (GPM)	Backwash Flow Rate (GPM)	Media	Tank Size	Typical Dimension (Per tank)	Weight (Per tank) (pounds)
GW-Z-6660	235	315	353	60	66x60	64x73x108	8650
GW-Z-7260	290	380	425	70	72x60	73x89x108	11750
GW-Z-8460	385	512	575	95	84x60	85x105x103	15700
GW-Z-9660	505	372	750	125	96x60	96x123x110	20200
GW-Z-10860	635	850	950	160	108x60	110x135x113	25100

*All zeolite filtration systems require periodic backwashing to dispose of the accumulated sediment/solids. This is accomplished by backwashing clean water through the unit and then disposing of the effluent. During this phase, the different sizes of media separate into layers, preparing the filter bed for service. Because backwashing generally occurs at higher flow rates than those seen in service, oftentimes a proper backwash flow rate is not possible because the systems are designed for required service flow rates. However, by utilizing smaller double or triple unit systems, the optimum backwash flow rate is lower; therefore, these systems operate at higher service



GWT Pre-Engineered Commercial Activated Carbon Filtration Systems

PN#	Service Flow Rate (GPM)	Peak Flow Rate (GPM)	Backwash Flow Rate (GPM)	Media	Tank Size	Typical Dimension (Per tank)	Weight (Per tank) (pounds)
GW-AC-6660	99	175	60	66x60	64x73x108		7,100
GW-AC-7260	119	214	70	72x60	73x89x108		9,950
GW-AC-8460	160	288	95	84x60	85x105x103		13,350
GW-AC-9660	210	378	125	96x60	96x123x110		16,950
GW-AC-10860	265	477	160	108x60	110x135x113		21,100

*All carbon filtration systems require periodic backwashing to dispose of the accumulated sediment/solids. This is accomplished by backwashing clean water through the unit and then disposing of the effluent. During this phase, the different sizes of media separate into layers, preparing the filter bed for service. Because backwashing generally occurs at higher flow rates than those seen in service, oftentimes a proper backwash flow rate is not possible because the systems are designed for required service flow rates. However, by utilizing smaller double or triple unit systems, the optimum backwash flow rate is lower; therefore, these systems operate at higher service